

FEDERAL ON-SCENE COORDINATOR'S REPORT

ROUTE 563 DRUM SITE
SALFORD TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA
CERCLA EMERGENCY RESPONSE/IMMEDIATE REMOVAL ACTION
May 30, 1987 through April 21, 1988



UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION III

GERALD T. HESTON
ON-SCENE COORDINATOR

AR100006

Route 563 Drum Site
Montgomery County, PA
Federal On-Scene Coordinator's Report

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**REGION III
CERCLA EMERGENCY RESPONSE/REMOVAL ACTION**

PROJECT #170

FACTS SHEET

SITE: Route 563 Drum Site

SIZE: Approximately 25 square feet.

LOCATION: 610 Ridge Road (Route 563), Montgomery County, PA.

APPROVAL DATE: May 30, 1987

PROJECT DATES: May 30, 1987 through April 21, 1988

DESCRIPTION: The Route 563 Drum Site was a result of a "midnight dumping." The site contained one nonleaking drum containing an unknown substance. Due to the emergency nature of the site, OSC Heston approved the use of CERCLA funds under the Delegation of Authority for the removal of this imminent hazard.

HAZARDOUS MATERIALS: RQ Flammable Waste Liquid NOS UN1993 (D001, F003, F005)

QUANTITIES REMOVED: One 55-gallon drum (500 lbs.)

OSC: Gerald T. Heston

REMOVAL CONTRACTOR: B.E.S. Environmental Specialists, Inc., Kingston, PA

DISPOSAL LOCATION: ECOLOTEC, Inc., Dayton, OH, Manifest #PAB4769833

PROJECT CEILING: \$50,000 Delegation Authority, 14-1-A (5/1/85)

PROJECT COST: \$ 4,464 (Estimated)

COMMENTS: Due to the close proximity of the drum to several homes in the area, OSC Heston authorized the use of the Delegation of Authority for removal and disposal of the drum. Since problems arose when attempting to locate a temporary storage (TSD) facility that was in compliance and would accept the drum, the OSC had the drum transported to AMO (Canonsburg, PA) until final disposal could be arranged.

Gerald T. Heston
Gerald T. Heston, OSC

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Route 563 Drum Site
Montgomery County, PA
Federal On-Scene Coordinator's Report

FOREWORD

The OSC, as mandated in the National Oil and Hazardous Substances Contingency Plan (NCP), is required to provide coordinated Federal response capability at the scene of an unplanned or sudden discharge of oil or hazardous substance that poses an imminent and substantial threat to the public health or the environment. In addition, the provisions of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) promote a coordinated Federal State and Local response to mitigate situations at hazardous waste sites which pose an imminent and substantial threat to public health and/or the environment.

The abandoned chemical drum on site and its location presented an emergency situation. The provisions of the NCP and CERCLA were implemented by the U.S. Environmental Protection Agency (EPA), Region III, Philadelphia, Pennsylvania.

Special thanks are extended to Pennsylvania State Police Officers Steward and Lutz for securing the site and surrounding area until TAT arrived on scene. I would like to commend this department for their effort and professional handling of this emergency situation.

Gerald T. Heston

Gerald T. Heston
On-Scene Coordinator
U.S. EPA, Region III
Philadelphia, Pennsylvania

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Route 563 Drum Site
Montgomery County, PA
Federal On-Scene Coordinator's Report

INTRODUCTION

A. Initial Situation/Nature of the Incident

An abandoned drum was found in a drainage ditch along Route 563 by the Pennsylvania State Police, Limerick Barracks, while on routine surveillance. Officers Lutz and Steward contacted the EPA Regional Response Center (RRC) and secured the area. EPA On-Scene Coordinator (OSC) Gerald T. Heston contacted the Roy F. Weston Inc. Technical Assistance Team (TAT) for an emergency assessment.

After an initial emergency assessment, the TAT found the site to be a significant risk of harm to human health and the environment due to the flammable contents of the drum and the easy access by the public to the site. At this time, the OSC determined that immediate removal actions were appropriate and activated CERCLA funds under Delegation of Authority (14-1-A) to remove the drum.

B. Site Location

The Route 563 Drum Site consisted of a single chemical drum located in a drainage ditch at Box 610, Ridge Road (Route 563) in Salford Township, Montgomery County, PA. This route is heavily traveled and there are four homes in close proximity to the site. Appendix A of this report contains a location map and site sketch.

C. Efforts to Obtain Cleanup by Potential Responsible Party

Since the presence of this drum was the result of a "midnight dumping", it is not anticipated that a responsible party will be found.

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ROSTER OF AGENCIES, ORGANIZATIONS AND INDIVIDUALS, Route 563 Drum Site, Montgomery County, PA

NAME AND ADDRESSES	CONTACT	DESCRIPTION OF DUTIES
U.S. EPA - Region III Emergency Response Section 841 Chestnut Building Philadelphia, PA 19107 (215) 597-2711	Gerald T. Neston Thomas I. Massey	Federal On-Scene Coordinator; responsible for the overall coordination of the project. Chief, Emergency Response Section; Advised OSC on use of Delegation of Authority 14-1-A, 5/1/85.
Pennsylvania State Police Limerick Barracks Route 422 and Lewis Road Limerick, PA (215) 489-6262	Officer Lutz Officer Steward	Reported incident and supplied on-site security.
Roy F. Weston, Inc., SPER Division 53 Haddonfield Road, Suite 306 Cherry Hill, NJ 08002 (609) 482-0222 West Chester (215) 692-3030	Greg Janiec Rich Habrukowich Bob Merkl	Technical Assistance Team; provided the OSC with technical support, site safety and photographic documentation.
O.H. Materials, Inc. Northeast Regional Office P.O. Box 41257 or, NJ 08561 443-2800	W.J. "Harry" Harrison	ERCS prime contractor.
Environmental Specialists, Inc. Exercise Street Pittsburgh, PA 15704 1-288-7592	Rich Baronowski	ERCS subcontractor; provided manpower and equipment to perform removal.
Ex Laboratories of New Jersey Box 247 Bergenport, NJ 08014	Joanne Michaelson	Provided analytical of drum's contents.
AMD Pollution Services, Inc. R.D. #2, Box 311B Canonsburg, PA 15317 (412) 921-8486	Bob Garza	TSD facility; provided temporary storage of drum.

AR100011

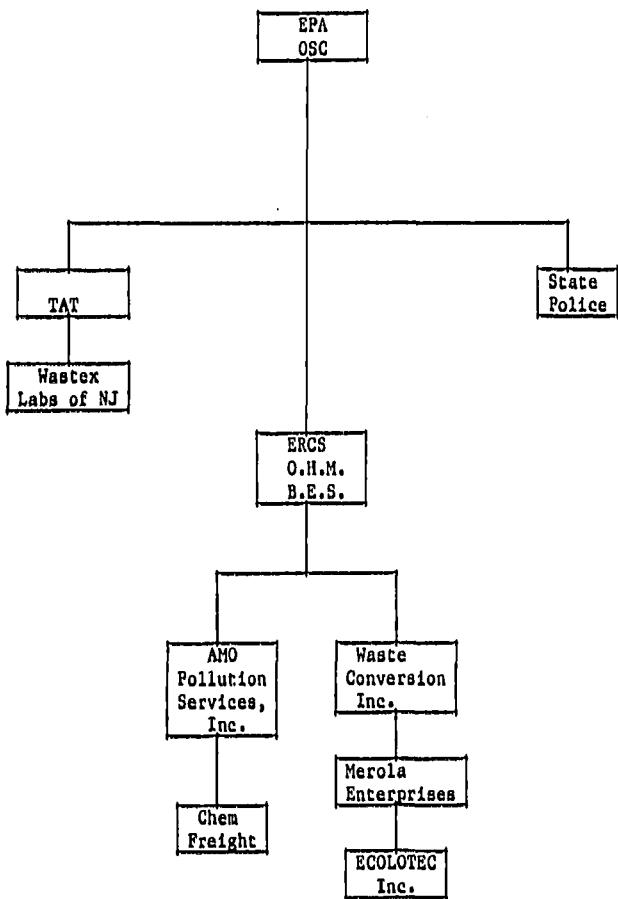
ROSTER OF AGENCIES, ORGANIZATIONS AND INDIVIDUALS, Route 563 Drum Site, Montgomery County, PA (continued)

NAME AND ADDRESSES	CONTACT	DESCRIPTION OF DUTIES
Chem Freight, Inc. 6600 Bassmer Avenue Cleveland, OH 44127 (216) 361-2500	Kenneth Larabee	Transporter from AMO Pollution Services to Waste Conversion.
Waste Conversion, Inc. 2869 Sandstone Drive Hartfield, PA 19440 (215) 822-8996	Anthony Grosso	Arranged for final disposal.
Mertola Enterprises, Inc. 118 Fisher Boulevard Toms River, NJ 08754 (201) 929-3500	George Gruning	Transporter from Waste Conversion to ECOLOTEC, Inc. for final disposal.
ECOLOTEC, Inc. 636 N. Irvin Street Dayton, OH 45403 (513) 254-9990	Stephen Rilling	Site for final disposal.

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Route 563 Drum Site
Montgomery County, PA
Federal On-Scene Coordinator's Report

ORGANIZATION OF THE RESPONSE



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Route 563 Drum Site
Montgomery County, PA
Federal On-Scene Coordinator's Report

NARRATIVE OF EVENTS

An abandoned drum was discovered at P.O. Box 610, Ridge Road (Route 563) in Salford Township, Montgomery County, PA by Pennsylvania State Police officers Lutz and Steward. The officers secured the area and reported the situation to the Regional Response Center at 2230 hours on May 29, 1987. OSC Heston activated the Roy F. Weston Technical Assistance Team (TAT) at 2300 hours to perform an initial assessment and sampling.

TAT Members Habrukowich and Janiec arrived on scene at 0030 hours and were updated on the situation by the State Police officers. At 0200 hours, TATM Merkl arrived on site with the equipment van.

TATM Janiec entered the site in Level B protection with a photoionization detector, a radiation meter and a combustible gas indicator/oxygen meter. A preliminary assessment was performed and vapors were detected by the photoionization detector at 10 units/ppm above background levels. After the drum was opened, peaks as high as 200 units/ppm above background were detected. Readings were not observed on the radiation meter or the combustible gas/oxygen meter.

At 0230 hours, TATM Janiec extracted a black opaque liquid sample for laboratory analysis. The drum was then closed at 0245 hours and bannerguard was used to mark the site boundaries. OSC Heston was then informed at 0300 hours of the situation and the TAT left the site.

OSC Heston received the lab results of the abandoned drum on June 4, 1987 which indicated a flammable solvent with a flash point of 83°F. The OSC decided to use the \$50,000 Delegation of Authority (14-1-A, 5/1/85) for removal and disposal of the drum.

On June 4, 1987, OSC Heston met the State Police, Pennsylvania Department of Environmental Resources (PADER), and TAT on site for the removal of the drum. BES arrived on site at 1530 hours with a 20-foot box truck and overpacked the drum for transportation. Due to problems in finding a local TSD facility, the drum was put into temporary storage at AMO Pollution Services, Canonsburg, PA, a suburb of Pittsburgh.

On April 21, 1988, OSC Heston received written confirmation dated April 5, 1988 (see Waste Conversion Certificate of Waste Disposal, Appendix H, Manifests) that final disposal had been implemented at ECOLOTEC Ohio under Manifest #PAB4769833 dated February 21, 1988.

AR100014

Route 563 Drum Dump
Montgomery County, PA
Federal On-Scene Coordinator's Report

RESOURCES COMMITTED

A. Initial Funding Request

Upon receipt of assessment/analytical results, the OSC determined that the drum presented an imminent threat to human health and the environment. On June 4, 1987, OSC Heston activated CERCLA funds under the Delegation of Authority 14-1-A (5/1/85) to mitigate the threat of fire and/or explosion, direct contact and inhalation. The ceilings of the CERCLA activation were as follows:

ERCS	\$30,000
TAT	10,000
EPA	<u>10,000</u>
Total Project Ceiling	\$50,000

A copy of Special Bulletin A, detailing the funding activation, is included as Appendix B of this report.

B. Total Cost Summary (Estimate)

1. Extramural

ERCS	
a. Removal Activity	\$3,000
b. TSD, Transportation and Disposal	<u>825</u>
ERCS Total	\$3,825
TAT	<u>365</u>
Extramural Subtotal	\$4,190

2. Intramural

EPA Direct Costs	\$ 86
EPA Indirect Costs	<u>188</u>
Intramural Subtotal	\$ 274
Total Project Cost	\$4,464

Project Ceiling: \$50,000
% of Ceiling Expended: 11.20%

AR100015

Route 563 Drum Site
Montgomery County, PA
Federal On-Scene Coordinator's Report

EFFECTIVENESS OF THE REMOVAL

A. Activities of the Various Agencies

1. Potential Responsible Parties

Since this drum was considered a "midnight dumping" and there were no markings on the drum, it is not anticipated that any responsible parties will be found.

2. State and Local Forces

Officers Lutz and Steward of the Pennsylvania State Police, Limerick Barracks, reported the abandoned drum to the EPA Region III Regional Response Center (RRC) and proceeded to secure the area until the OSC and TAT arrived on scene.

3. Federal Agencies and Special Forces

Gerald T. Heston of the U.S. Environmental Protection Agency, Region III, Philadelphia, Pennsylvania, served as the Federal On-Scene Coordinator for this project. OSC Heston activated the \$50,000 Delegation of Authority (14-1-A, 5/1/85) for immediate cleanup of the site due to the extreme emergency of the situation.

4. Contractors

Roy F. Weston, Inc., Spill Prevention Emergency Response (SPER) Division's Technical Assistance Team (TAT) provided technical support, site safety and photographic documentation to the OSC. TAT also responded to the emergency and conducted the site assessment on which the OSC based his decision to activate CERCLA funds.

O.H. Materials, Inc., the prime contractor under the Emergency Response Contract Services (ERCS), subcontracted B.E.S. Environmental Specialists, Inc., (BES) of Kingston, PA, to remove the chemical drum to AMO Pollution Services, Inc., temporary storage facility (TSD) in Canonsburg, PA.

The drum was transported from AMO to Waste Conversion, Inc., Hatfield PA. ECOLOTEC, Inc. of Dayton, Ohio was the facility for final disposal of the drum.

Wastex Labs of New Jersey was contracted under TAT Special Projects to perform a full-scale analysis of the drum sample. The analytical results were used by the OSC to determine proper disposal method. AR100016

Route 563 Drum Site
Montgomery County, PA
Federal On-Scene Coordinator's Report
EFFECTIVENESS OF THE REMOVAL (Continued)

B. Disposal Methods and Quantities Removed

B.E.S. Environmental Specialists, Inc. overpacked the 55-gallon drum containing 500 lbs. of RQ Waste Flammable Liquid NOS UN1993 (D001, F003, F005) and transported it in a 20-foot box truck to AMO Pollution Services, Inc., Canonsburg, PA (a suburb of Pittsburgh) under Manifest #PAB4262532.

The drum was then transported to Waste Conversion, Inc., Hatfield, PA under Manifest #PAB5028236 and then to ECOLOTEC, Inc. of Dayton, OH for final disposal under Manifest #PAB4769833.

AR100017

Route 563 Drum Site
Montgomery County, PA
Federal On-Scene Coordinator's Report

CHRONOLOGY OF EVENTS

This section provides a brief description of events as they occurred during the Route 563 Drum Site. A more detailed description is presented in Appendix F (POLREPs) of this report.

5/30/87 0030 hours - TAT (Janiec, Habrukowich) arrived on scene and met with Pennsylvania State Police.

0200 hours - TATM Merkl arrive on scene with the equipment van.

0230 hours - Preliminary assessment made in Level B protection. Readings with a photoionization detector, radiation meter, combustible gas indicator/oxygen meter were taken, as well as a sample from the drum.

0245 hours - TAT closed drum and placed bannerguard around the area.

0300 hours - TAT notified OSC Heston of site status and was instructed to await further instructions.

5/31/87 0800 hours - OSC instructed TAT to prepare a POLREP and contact a lab on Monday (June 1) to run a priority pollutant (PP) scan and RCRA analysis.

6/4/87 1130 hours - OSC received analytical results of drum sample from Wastex Laboratory. The OSC then activated \$50,000 under Delegation of Authority, 14-1-A (5/1/85) and issued a Delivery Order for \$30,000 to ERCS.

1430 hours - State Police, PADER, EPA and TAT were on scene to supervise removal actions.

1530 hours - B.E.S., ERCS subcontractor, arrived on scene to overpack drum for transportation/disposal.

1610 hours - OSC contacted EPA (Philadelphia) to obtain EPA ID Number for Manifest #PAB4262332.

6/11/87 ERCS was unable to locate a local TSD facility; only AMO (Canonsburg) was in compliance to accept the drum. This problem concerned the OSC reported to AMO for temporary storage until final disposal. Disposed.

AR100018

Route 563 Drum Site
Montgomery County, PA
Federal On-Scene Coordinator's Report
CHRONOLOGY OF EVENTS (Continued)

- 08/25/87 OSC received WPR from ERCS on 8/4/87 for disposal of drum containing inaccuracies. OSC directed ERCS to resubmit the WPR with corrections. Second WPR received this date still contained inaccuracies. The OSC contacted ERCS Program Manager (Leparoti) and directed ERCS to provide a proper WPR.
- 10/87 The OSC received and signed proper WPR. Final disposal of drum pending approval of disposal facility.
- 02/09/88 Drum transported from AMO Pollution Services to Waste Conversion, Hatfield, PA under Manifest #PAB5028236 dated this date.
- 02/21/88 Drum transported from Waste Conversion to ECOLOTECH, Inc. in Dayton, OH under Manifest #PAB4769833 dated this date for final disposal.
- 04/21/88 OSC received written confirmation of final disposal from Waste Conversion via certificate dated April 5, 1988. OSC declared official closure of project.

AR100019

Route 563 Drum Site
Montgomery County, PA
Federal On-Site Coordinator's Report

PROBLEMS ENCOUNTERED AND RECOMMENDATIONS

The only problem encountered with the abandoned drum was the inability to locate a local temporary storage (TSD) facility that was in compliance and would accept the drum. Due to the emergency nature of the situation, the only option available to the OSC, despite the high cost, was to transport the drum to AMO Pollution Services, Inc., in Canonsburg, PA until final disposal could be arranged.

To avoid any future recurrences of this problem, the OSC might work more closely with other emergency response groups to learn more about methods of locating disposal facilities.

AR100020

Route 563 Drum Site
Montgomery County, PA
Federal On-Scene Coordinator's Report

LEGAL ASPECTS

Since the presence of this drum and its subsequent removal were the result of a "midnight dumping", no legal action has taken place, nor is any anticipated.

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SCALE
1:625,000

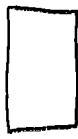
0 5 10 15 20 MILES
0 8 12 16 24 KILOMETRES

ROUTE
SAI
MONTGOMERY COUNTY, ...

LOCATION MAP

AR100022

Residential Homes



ROUTE 563

abandoned drum

Wooded Area.

SITE SKETCH

Route 563 Drum Site
Salford Township, Montgomery County, PA

not to scale

AR100023

SPECIAL BULLETIN A
ROUTE 563 DRUM SITE
SALFORD TWP., PA.

DATE: JUNE 4, 1987

FROM: GERALD HESTON
ON-SCENE COORDINATOR

THRU: STEPHEN WASSERSUG, DIRECTOR
HAZARDOUS WASTE MANAGEMENT DIVISION

THRU: THOMAS VOLTAGGIO, CHIEF
SUPERFUND BRANCH

THRU: THOMAS MASSEY, CHIEF
EMERGENCY RESPONSE SECTION

I. INTRODUCTION

AN EMERGENCY ASSESSMENT, CARRIED OUT BY THE EPA TECHNICAL STAFF, AND IN ACCORDANCE WITH THE NCP HAS IDENTIFIED AN IMMEDIATE AND SIGNIFICANT RISK OF HARM TO HUMAN HEALTH AND THE ENVIRONMENT POSED BY THE PRESENCE OF AN ABANDONED DRUM WHICH IS EXTREMELY FLAMMABLE AND IN AN AREA WHICH IS UNSECURED AND EASILY ACCESSED BY THE PUBLIC.

SECTION 104 OF CERCLA CALLS FOR THE INITIATION OF IMMEDIATE REMOVAL ACTION WHERE THERE IS A THREAT OF RELEASE OF A HAZARDOUS SUBSTANCE WHICH MAY PRESENT AN IMMINENT AND SUBSTANTIAL DANGER TO PUBLIC HEALTH OR WELFARE.

THE DELEGATION OF AUTHORITY 14-1-A (5/1/85) AUTHORIZES THE OSC TO APPROVE CERCLA REMOVALS WITH A TOTAL COST OF LESS THAN \$50,000, THEREFORE, THE OSC HAS APPROVED THE USE OF CERCLA FUNDS AT THIS SITE FOR THE REMOVAL OF THIS IMMINENT HAZARD.

II. BACKGROUND

THE ROUTE 563 DRUM SITE CONSISTS OF A SINGLE DRUM LOCATED IN A DRAINAGE DITCH ALONG SIDE OF THIS HEAVILY TRAVELED ROAD. PENNSYLVANIA STATE POLICE UNCOVERED DRUM (1000 HRS. 5/30/87), AND SOON AFTER NOTIFIED EPA AUTHORITIES WHO INITIATED AN EMERGENCY ASSESSMENT AND SAMPLING.

LAB ANALYSIS INDICATES THAT THE DRUM CONTAINS FLAMMABLE SOLVENTS WITH A FLASH POINT OF 83 DEGREES FAHRENHEIT. AT PRESENT THERE ARE NO FORESEEABLE RESPONSIBLE PARTIES ASSOCIATED WITH THIS SITE.

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III. THREAT

THE THREAT OF DIRECT HUMAN CONTACT WITH HAZARDOUS WASTES IS SUBSTANTIAL. SUBSTANCES IDENTIFIED AS BEING HAZARDOUS AND EXTREMELY FLAMMABLE ARE EASILY ACCESSIBLE TO SURROUNDING POPULATION OF THE (4) HOMES IN CLOSE PROXIMITY TO THIS DRUM.

BOTH EPA AND THE PA DEPT. OF ENVIRONMENTAL RESOURCES WITNESSED NUMEROUS SMALL CHILDREN PLAYING ACROSS THE ROAD FROM THIS DRUM. SINCE THIS DRUM IS LOCATED ONLY TWO FEET OFF TO THE SIDE OF THE ROAD, THERE IS ALSO THE IMMEDIATE THREAT OF AN AUTOMOBILE HITTING THE DRUM WHICH MAY RESULT IN A LETHAL EXPLOSION.

ALSO, THE DRUM IS NOT COMPLETELY FULL AND CONTAINS SUFFICIENT HEADSPACE FOR THE POTENTIAL AUTO-IGNITION.

IV. SCOPE OF WORK

THE SCOPE OF WORK PROPOSED FOR IMPLEMENTATION WITH THE EMERGENCY \$50,000 APPROPRIATION WILL INCLUDE RESTRICTING SITE ACCESS WITH BANNER GUARD, AND INITIATE REMOVAL AND DISPOSAL OPERATIONS BY UTILIZING ERCS FOR A LOCAL REPSNCE.

THE PROPOSE BUDGET IS AS FOLLOWS:

ERCS/30K
EPA/10K
TAT/10K

V. OSC ACTION

BECAUSE THE CONDITIONS AT THE ROUTE 563 DRUM SITE MEET THE NCP SECTION 300.65 CRITERIA FOR A IMMEDIATE REMOVAL, I HAVE APPROVED THIS IMMEDIATE REMOVAL ACTION. THE ESTIMATED TOTAL PROJECT COST IS LESS THAN \$50,000.

Gerald T. Heston
GERALD HESTON, OSC
US EPA - REGION III - PHILADELPHIA, PA.

ARI00025

WESTON SPER DIVISION
HAZARDOUS WASTE SITE INVESTIGATION AND EMERGENCY RESPONSE
SAFETY PLAN

Assignor: Gerry Weston REGION 03
Date of Inspection: 5/30/87 TDD No. 8705-40
Original Safety Plan: Yes / No _____ PCS No. 1236
Modification No. _____

Site Name: Rt 563 Down Site

Site Address: Street No. 610 Ridge Rd (Rt 563)
City _____
County Montgomery
State PA Zip Code _____

Site Contact: Gerry Weston, OSC Phone 215 (597) 9400

Directions to Site: PA Turnpike to exit 26, North Rt 309
exit for 563 South, go through Tylersport past King Rd

Map Attached: Yes / No
If Remote Location: Latitude _____ Longitude _____
SITE HISTORY: one lone drum was abandoned on the side of
Rt 563 across from a home

INCIDENT DESCRIPTION (check one from A, B, and C)

- A) Spill Air Release Fire MW Site / Other
B) Assessment Sampling Emergency Response /
 Clean-up/Removal Other (specify)
C) Urban/Residential / Commercial Industrial
 Rural Remote

PHYSICAL DESCRIPTION

Size of Site: N/A Terrain: roadsides Weather: clear/warm

Containers Involved In the Release or Incident

Drums / No. 1 Tanks No.

Truck License No. Tanker Box

Railroad Car Tank Box No. AB100026

Spill ID Source Approx. Vol.

Other

ACTIONS TAKEN ON SITE:

Was Entry Made: YES NO

Equipment Used: (circle) LEVEL A B C D Why: ESOP for
- drum Sampling

SCBA APR _____ Model _____ Cart./Can. Type _____

Tyvek _____ Poly Tyvek _____ Saran Tyvek Acid Suit _____

Rain Gear _____ Cotton Coveralls _____

Gloves: Inner Butyl Nitrile Viton Other _____

Foot Gear: Safety Boots Outer Boots Booties Other _____

Description of Decontamination Used: dispose of contaminated articles

AIR MONITORING Performed by: Greg Janice

Instrument Readings: Radiation Meter background, DGI background

DVA _____ HNU up to 200 Detector Tube _____

Other _____

Wind: Speed 0-5 Direction NNE Temp. 52° Rel. Hum. _____ B.R. _____

Summarize Air Monitoring Data
ambient organic Not Detectable
content up to 200 ppm organics

SAMPLING Performed by: Greg Janice

Sampling Plan (Y or N) If yes attach copy to safety plan

No. of Samples: Solid Liquid Gas Other

Laboratory: Wuster AR100027

Has Lab Been Notified of Potential Hazard Level? Yes No

Analyses: PP and metals, RCRA analysis

Sampling Comments: 16 oz glass 2 day turn around
PP + metals - RCRA analysis

MATERIALS INVOLVED:

Name	TLV	IDLH	Overexposure Symptoms
------	-----	------	--------------------------

-----Unknown-----

SPECIAL HAZARDS: roadside in darkness - use flares

ANTICIPATED LEVEL OF PROTECTION (circle one): A B C D

WHY: _____

FIRST AID INSTRUCTIONS FOR KNOWN CONTAMINANTS: _____

N/A

PERSONNEL EXPOSURE HAZARDS: (H=high, M=moderate, L=low, U=unknown)

Inhalation H Skin Contact M Ingestion L Radioactive NO

Biological NO Fire U Explosion NO Unknown _____

PERSONNEL PHYSICAL SAFETY HAZARDS :

Heat ✓ Cold Noise Underground Utilities

Overhead Utilities Heavy Equipment Slip, Trip, Fall ✓

Sharp Objects Pressurized Airlines Cyclinders

Ladders Scaffolds Unguarded Openings-Wall, Floor

Liquids in Open Containers, Ponds, Lagoons

ART00028

DOCUMENTATION Performed by: R.Habukawach / B.Merk

Type: Photo Log Book Recorder Video

PUBLIC IMPACT

Distance to Nearest : Residence 100' School N/A Hospital N/A

Public Building N/A Other

Evacuation: Yes No Number By Whom:

ENVIRONMENTAL IMPACT:

Nearest Waterway: N/A Distance:

<u>Condition</u>	<u>Observed</u>	<u>Potential</u>	<u>None</u>
Surface Water Contamination	-----	-----	✓
Ground Water Contamination	-----	-----	✓
Drinking Water Contamination	-----	-----	✓
Air Contamination	-----	-----	✓
Soil Contamination	-----	-----	✓
Stressed Vegetation	-----	-----	✓
Dead Fish, Other Animals	-----	-----	✓

PERSONNEL INVOLVED: (NAME, AGENCY, PHONE, ON or OFF SITE)

SITE MANAGER: N/A

SITE SAFETY COORDINATOR: R.Habukawach

Have Read & Understood The
Site Safety Plan (check)

EPA DAAC

TAT G.Tanier

STATE DOE

OTHER AR 100029

EMERGENCY INFORMATION

EMERGENCY PHONE NUMBERS:

	<u>Location</u>	<u>Phone</u>	<u>Notified(Y/N)</u>
Fire	-----	-----	-----
Police	-----	-----	-----
Ambulance	-----	-----	-----
Hospital	-----	-----	-----

Nearest Phone -----

DIRECTIONS TO HOSPITAL: -----
(ATTACH MAP)

North on 309

ADDITIONAL EMERGENCY PHONE CONTACTS:

CHEMTRAC	(800) 424-9300
TSCA HOTLINE	(800) 424-9065, (202) 554-1404
CDC	(404) 453-4100 (day), (404) 329-2888 (night)
BUREAU OF ALCOHOL, TOBACCO & FIREARMS	(800) 424-9555, (202) 566-7777
NATIONAL RESPONSE CENTER	(800) 424-8802
WESTON MEDICAL EMERGENCY SERVICE	(513) 421-3063 (24 hour)
WESTON 24 HOUR HOTLINE	(215) 524-1925, 1926
PESTICIDE INFORMATION SERVICE	(800) 848-7633
EPA ERT EMERGENCY	(201) 321-6660
RCRA HOTLINE	(800) 424-9346
BUR. OF EXPLOSIVES, A.A. RAILWAYS	(202) 825-9500

Prepared by: J. J. Date: 5/30/87

Reviewed by: _____ Date: _____

Approved by: _____ Date: _____

SPER HSO Review by: _____ Date: _____
Followup Required: Yes ____ No ____
Followup Performed: Date: _____ With: _____
Comments: _____

AR-000030



MATERIALS AND EQUIPMENT REQUISITION

TO: Jeanne Michaelson, ZPMO PURCHASE ORDER ASSIGNED: 55672
FROM: Rich Habrukowich, TATL, Region III DATE: June 2, 1987
Request that we obtain: Purchase Repair Rent Price Quotation 0
FROM: (Vendor name if preference)
Wastex Labs of New Jersey
P. O. Box 247
510 Heron Dr., Suite 107
Bridgeport, NJ 08014
SHIP TO: ROY F. WESTON, INC./SPER DIV.
53 Haddonfield Rd., Suite 306
Cherry Hill, NJ 08034
SHIP VIA: _____
FOB _____ TERMS _____ DELIVERY REQUIRED BY: _____

ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
		Lab analysis for 10 oz. sample bottle to run: <ul style="list-style-type: none">- Surrogate Spike- PP Analysis- RCRA Analysis - to include ... flashpoint, pH, & reactivity G. L. CODE: 4610.00 This is a confirming order.		\$1,200.00

AR100031

Is this purchase within your budget? Yes() No() TOTAL COST 1060
Charge above item to: Work Order No. 2962-01-03-024 Division/Dept. No. 1060
Project Director/Manager or R. H. H.
Responsible Head Approval R. H. H. V.P. QA/Finance _____
Purchasing Approval _____
RFW-152-10-82

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement



CHAIN OF CUSTODY RECORD

REGN' 3

Curtis Blvd., Suite Walnut St.
Philadelphia, Pennsylvania 19108

PROJECT NAME: Safco Tap. Company Co. Inc.

STATION NUMBER: 56-2

SAMPLER(S)/SIGNATURE:

George Janine

DATE: 5/25/87 TIME: 1:00 P.M. CRATE #:

STATION LOCATION: Datum 1-R51-1523746

NO. OF CONTAINERS:

STATION NUMBER:

DATE / TIME:

CRATE #:

NO. OF CONTAINERS:

STATION NUMBER:

DATE / TIME:

CRATE #:

NO. OF CONTAINERS:

STATION NUMBER:

DATE / TIME:

CRATE #:

NO. OF CONTAINERS:

STATION NUMBER:

DATE / TIME:

CRATE #:

NO. OF CONTAINERS:

STATION NUMBER:

DATE / TIME:

CRATE #:

NO. OF CONTAINERS:

STATION NUMBER:

DATE / TIME:

CRATE #:

NO. OF CONTAINERS:

STATION NUMBER:

DATE / TIME:

CRATE #:

NO. OF CONTAINERS:

STATION NUMBER:

DATE / TIME:

CRATE #:

NO. OF CONTAINERS:

STATION NUMBER:

DATE / TIME:

CRATE #:

Distribution: Original Accompaniment Shipment; Copy to Coordinator Field Files

AR 100032

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time	Received by: (Signature)
<i>George Janine</i>	6/1/87 1:15 P.M.			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks

3-8803



**WASTEX
INDUSTRIES OF N.J., INC.**

NJDEP #08555
EPA #38-005
NJDEP #77371

Licensed Analytical Laboratories

P.O. Box 247
510 Heron Drive, Suite 107
Bridgeport, NJ 08014-0247
609/467-0360

28 S. Hanover Street
Pottstown, PA 19464
215/327-0880

CLIENT:

Weston-Sper
53 Haddonfield Road
Cherry Hill, N.J. 08002

PROJECT:

Route 563/ Abandoned Drum
Salford Twp. Montgomery Co., Pa.

**DATE
RECEIVED:**

6/1/87

Richard W. Sper
ART00033 DIRECTOR

SAMPLE IDENTIFICATION

LOG NUMBER

B0747

CLIENT SAMPLE ID NUMBER

00-1

AR100034

LABORATORY CHRONICLE

DATE

RECEIPT/REFRIGERATION 6/1/87

ORGANICS
EXTRACTION

1. Acids 6/2/87 thru 6/3/87
2. Base/Neutrals 6/2/87 thru 6/3/87
3. Pesticides/PCB's 6/3/87
4. Dioxin N/A

ANALYSIS

1. Volatiles 6/3/87, Rerun 6/4/87
2. Acids 6/3/87
3. Base Neutrals 6/3/87
4. Pesticides/PCB's 6/3/87
5. Dioxin N/A

Section Supervisor
Review & Approval

INORGANICS

1. Metals 6/1/87 thru 6/4/87
2. Cyanides N/A
3. Phenols N/A

AR100035

OTHER ANALYTES

Section Supervisor
Review & Approval

Quality Control Supervisor
Review & Approval

METHODOLOGY SUMMARY

PURGABLES: U.S.E.P.A. Method 624 - This is a purge and trap Gas Chromatograph/Mass Spectrometer (GC/MS) method applicable to the determination of the compounds listed in the U.S.E.P.A. Manual entitled "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater".

An HP5995C GC/MS was used with a packed column of 1st sp1000 on carbotrap B.

Method detection limits are as specified.

Soil samples are prepared for analysis by weighing 5.0 grams into a sparging tube, adding 5ml of laboratory water and heating at approximately 80°C while purging for twelve (12) minutes. All other conditions are as specified in the above method.

ACID EXTRACTABLES BASE/NEUTRALS

U.S.E.P.A. Method 625 - This method covers the determinations of semivolatile organic compounds that are partitioned in an organic solvent and amenable to gas chromatography. This is a gas chromatograph/mass spectrometer (GC/MS) method applicable to the determination to the compounds listed in the U.S.E.P.A. Manual entitled "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater".

An HP5995C GC/MS was used with an RTX-5 MSOC.

Method detection limits are as specified.

METALS:

Metals were run in accordance with the methods prescribed in SW846. This includes a nitric acid digestion followed by either graphite furnace, flame atomic absorption or flameless atomic absorption analysis.

ARI00036

METHODOLOGY SUMMARY

PESTICIDES/PCBS:U.S.E.P.A Method 608 - This method covers the determination of chlorinated pesticides and PCBs that are partitioned in an organic solvent and amenable to gas chromatography. This method incorporates the use of an ECD NI63 detector and U.S.E.P.A. approved columns.

PRIMARY: 1.5% SP-2250/1.95 SP-2401
on supelcoport
5% OV1 on supelcoport

CONFIRM: RTX-5 FSCC.

Method detection limits are as specified.

BAR 100037

ENVIRONMENTAL PROTECTION AGENCY

Office of Enforcement

REGION 3
Waste Mgt. & Environ.
Philadelphia, Penna.*B0747*

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME	NO. OF	REMARKS
	Sacred Tap, Montgomery Co., Pa.	10	
D01	524-871 0720	1	VOHES, K 624 EPA Contractor Miller's Water Service PB and Confer Flask, Po PH Reactivity

Refugee by: (Signature)	Date / Time	Received by: (Signature)	Refugee by: (Signature)	Date / Time	Received by: (Signature)
<i>John J. Khanna</i>	6/11/87 15:54	<i>Handwritten</i>	<i>John J. Khanna</i>		
Refugee by: (Signature)	Date / Time	Received by: (Signature)	Refugee by: (Signature)	Date / Time	Received by: (Signature)
Refugee by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	

Distribution: Original Accommodates Shipment; Copy to Coordinator Field Files

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: Westex Ind of NJ
Lab Sample ID: A1028:02
Sample Matrix: WATER
Data release Authorized by:

I Sample Number I
I 80747 I

Case No.: N/A
QC Report No.: 47
Contract No.: N/A
Date Sample Received: 02 JUN 87

Volatile Compounds

Concentration: Low Medium (Circle One)
Date Extracted: N/A
Date Analyzed: 6/04/87 17:02
Conc/Dil factor: 40000 pH: N/A
Percent Moisture: (Not Decanted) N/A

C.A.S. Number	mg/l or mg/Kg (Circle One)	C.A.S. Number	mg/l or mg/Kg (Circle One)
74-87-3 Chloromethane	400. U	78-87-5 1,2-Dichloropropane	200. U
74-83-9 Bromomethane	400. U	10061-02-6 Trans-1,3-Dichloropropene	200. U
75-01-4 Vinyl Chloride	400. U	79-01-6 Trichloroethene	200. U
75-00-3 Chloroethane	400. U	124-48-1 Dibromochloromethane	200. U
75-09-2 Methylene Chloride	960.	79-00-5 1,1,2-Trichloroethene	200. U
67-64-1 Acetone	820.	71-47-2 Benzene	66. J
75-15-0 Carbon Disulfide	400. U	10061-01-5 cis-1,3-Dichloropropene	200. U
75-35-4 1,1-Dichloroethene	200. U	110-79-8 2-Chloroethylvinylether	200. U
75-34-3 1,1-Dichloroethane	200. U	75-25-2 Bromoform	200. U
196-60-9 Trans-1,2-Dichloroethene	200. U	108-10-1 4-Methyl-2-Pentanone	400. U
67-66-3 Chloroform	120. J	591-78-6 2-Hexanone	400. U
107-02-2 1,2-Dichloroethane	200. U	127-18-4 Tetrachloroethene	200. U
78-35-3 2-Butanone	880.	79-34-5 1,1,2,2-Tetrachloroethene	200. U
71-55-6 1,1,1-Trichloroethane	200. U	108-08-3 Toluene	940.
56-23-6 Carbon Tetrachloride	200. U	108-90-7 Chlorobenzene	200. U
108-09-4 Vinyl Acetate	400. U	108-41-4 Ethylbenzene	2200.
75-27-4 Bromodichloromethane	200. U	100-42-5 Styrene	200. U
		Total Xylenes	6700.

Data Reporting Qualifiers

For reporting results to EPA the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However the definition of each flag must be explicit.

- Value - If the result is a value greater than or equal to the detection limit, report the value.
- U - Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U) based on necessary concentration/dilution action (This is not necessarily the instrument detection limit). The footnote should read "was analyzed for but not detected. The new minimum attainable detection limit for the
- Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is < than the specified detection limit > than zero (e.g. 10J). If limit of detection is 10 ug/L and a concentration of 9.0 ug/L is calculated, report
- C - This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides > 10 ng/L in the final extract should be confirmed by GC/MS.
- B - This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the user to take appropriate action. Specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report

OPTIONAL FLAGS

N - Compound not present in Calibration File

AR100039

Lab Name : Master Ind of NJ
Case No : N/A

1 Sample Number 1
1 80747 1

ORGANICS ANALYSIS DATA SHEET
(Page 2)

Semivolatile Compounds

Concentration: Low Medium (Circle One)
Date Extracted: 6/02/87
Date Analyzed: 6/03/87 16:13
Conc/Oil Factor: 1:50
Percent Moisture (Decanted)

GPC Cleanup Yes No
Separatory Funnel Extraction Yes
Continuous Liquid-Liquid Extraction Yes

C.A.S. Number	mg/L or mg/Kg (Circle One)	C.A.S. Number	mg/L or mg/Kg (Circle One)
108-95-2 Phenol	500. U	83-32-9 Acenaphthene	500. U
111-44-4 bis(2-Chloroethyl)Ether	500. U	51-28-5 2,4-Dinitrophenol	2500. U
95-57-8 2-Chlorophenol	500. U	100-02-7 4-Nitrophenol	2500. U
541-73-1 1,3-Dichlorobenzene	500. U	132-64-9 Dibenzofuran	500. U
106-44-7 1,4-Dichlorobenzene	500. U	121-14-2 2,4-Dinitrotoluene	500. U
100-51-6 Benzyl Alcohol	500. U	606-20-2 2,6-Dinitrotoluene	500. U
95-50-1 1,2-Dichlorobenzene	500. U	94-66-2 Diethylphthalate	500. U
95-48-7 2-Methylphenol	500. U	2005-72-3 4-Chlorophenyl-phenylether	500. U
39638-32-9 bis(2-chloroisopropyl)Ether	500. U	86-73-7 Fluorene	500. U
106-44-5 4-Methylphenol	500. U	100-01-6 4-Nitroaniline	500. U
621-64-7 N-Nitrosodi-n-Propylamine	500. U	534-52-1 4,6-Dinitro-2-Methylphenol	2500. U
67-72-1 Hexachloroethene	500. U	86-30-5 N-Nitrosodiphenylamine (I)	500. U
98-95-3 Nitrobenzene	500. U	101-59-3 4-Bromophenyl-phenylether	500. U
78-59-1 Isophorone	500. U	118-74-1 Hexachlorobenzene	500. U
88-77-5 2-Nitrophenol	500. U	97-86-9 Pentachlorophenol	2500. U
109-67-9 2,4-Dimethylphenol	500. U	85-01-8 Phenanthrene	500. U
65-05-8 Benzoic Acid	2500. U	120-12-7 Anthracene	500. U
111-91-1 bis(2-Chloroethoxy)Methane	500. U	84-74-2 Di-n-Butylphthalate	500. U
120-03-2 2,4-Dichlorophenol	500. U	206-44-0 Fluoranthene	500. U
120-82-1 1,2,4-Trichlorobenzene	500. U	129-00-0 Pyrene	500. U
91-20-3 Naphthalene	500. U	95-68-7 Butylbenzylphthalate	500. U
104-47-0 4-Chloroniline	500. U	91-94-1 3,3'-O dichlorobenzidine	1000. U
87-64-3 Hexachlorobutadiene	500. U	56-55-3 Benz(a)Anthracene	500. U
59-56-7 4-Chloro-3-methylphenol	500. U	117-81-7 bis(2-Ethylhexyl)Phthalate	500. U
91-97-6 2-Methylnaphthalene	500. U	218-01-9 Chrysene	500. U
77-47-4 Hexachlorocyclopentadiene	500. U	117-84-8 Di-n-Octyl Phthalate	500. U
68-94-2 2,4,6-Trichlorophenol	500. U	205-99-2 Benz(b)Fluoranthene	500. U
75-77-4 2,4,5-Trichlorophenol	2700. U	53-99-9 Benz(k)Fluoranthene	500. U
91-50-7 2-Chloronaphthalene	500. U	2-0-Benz(a)Pyrene	500. U
88-74-4 2-Nitroaniline	500. U	9-5 Indeno(1,2,3-cd)Pyrene	500. U
131-11-3 Dimethyl Phthalate	500. U	53-78-3 Dibenz(a,h)Anthracene	500. U
200-76-0 Acenaphthylene	500. U	191-24-2 Benz(g,h,i)Perylene	500. U
99-09-2 3-Nitroaniline	2500. U		

(I)-Cannot be separated from diphenylamine

AR100040
7/85



**WASTEK
INDUSTRIES OF NJ., INC.**

P.O. Box 2117
610 Hacia Drive, Suite 107
Bridgewater, NJ 08807-0247

609/467-0300

Client: Weston-Sper
Log #: 80747 Sample ID: DD-1

PESTICIDE/PCR COMPOUNDS - ANALYSIS DATA Scan # ECD-1060387-09/ECD-3060487-06

COMPOUND	RESULTS		QC REPLICATE SPIKES		QC-BLANK & SPiked BLANK		QC MATRIX SPIKE		
	Sample Concen. mg/kg	KOL mg/kg	First Second	Blank Data	Concen. Added	% Recov	Unspiked Extract	Concen. Added	% Recov.
Toxaphene	N/D	5.0							
Aldrin	N/D	0.4							
Alpha-BHC	N/D	0.4							
Beta-BHC	N/D	0.4							
Gamma-BHC	N/D	0.4							
Delta-BHC	N/D	0.4							
Chlordane	N/D	5.0							
4,4'-DDT	N/D	0.4							
4,4'-DDE	N/D	0.4							
4,4'-DDD	N/D	0.4							
Dieldrin	N/D	0.4							
Endosulfan I	N/D	0.4							
Endosulfan II	N/D	0.4							
Endosulfan Sulfate	N/D	0.4							
Endrin	N/D	0.4							
Endrin Aldehyde	N/D	0.4							
Heptachlor	N/D	0.4							
Heptachlor Epoxide	N/D	0.4							

AR100042

WVWASTEWATER
INDUSTRIES OF N.J., INC.

100% Analytical Laboratory

P.O. Box 247
510 Heron Drive, Suite 107
Bridgewater, NJ 08807-0247

609/467-0180

Client: Weston-Sper
Log #: 80747 Sample ID: DO-1PESTICIDE/PCB COMPOUNDS - ANALYSIS DATA

COMPOUND	RESUL TS		QC REPLICATE		QC BLANK & SPiked BLANK		QC MATRIX SPIKE	
	Sample Concen. mg/kg	N/D	First	Second	Blank Concen. Data Added	% Recov	Unspiked Concen. Added	% Recov
B - 1242	N/D	5.0						
B - 1254	N/D	5.0						
B - 1221	N/D	5.0						
B - 1232	N/D	5.0						
B - 1248	N/D	5.0						
B - 1260	N/D	5.0						
3 - 1015	N/D	5.0						

VSIS DATE: 6/3 & 4/87

N NUMBER: ECD-1060387-09/ECD-3060487-06

ITEMS: Surrogate Recovery DBC: 91%

DIRECTOR

R. Ruckel

AR100043



WASTEX
INDUSTRIES OF N.J., INC.

NJDEP #08555

EPA #38-005

NJDEP #77371

Licensed Analytical Laboratories

P.O. Box 247
610 Heron Drive, Suite 107
Bridgeport, NJ 08014-0247
609/487-0390

28 S. Hanover Street
Pottstown, PA 19464
215/327-0880

125 Main Avenue
Elmwood Park, NJ 07407
201/791-6700

CERTIFICATE OF ANALYSIS

Log Number B07A7

Sample Date 5/30/87

ID Number DO-1

METALS

<u>PARAMETER</u>	(mg/kg)	<u>PARAMETER</u>	(mg/kg)
<u>RESULTS</u>		<u>RESULTS</u>	
Antimony	<0.10	Nickel	2.5
Arsenic	0.05	Lead	0.10
Beryllium	<0.25	Selenium	<0.10
Copper	0.75	Silver	<0.25
Cadmium	0.25	Thallium	<2.5
Chromium	<0.25	Zinc	2.0
Mercury	<0.05		

LIMITED CHEMISTRY PARAMETERS

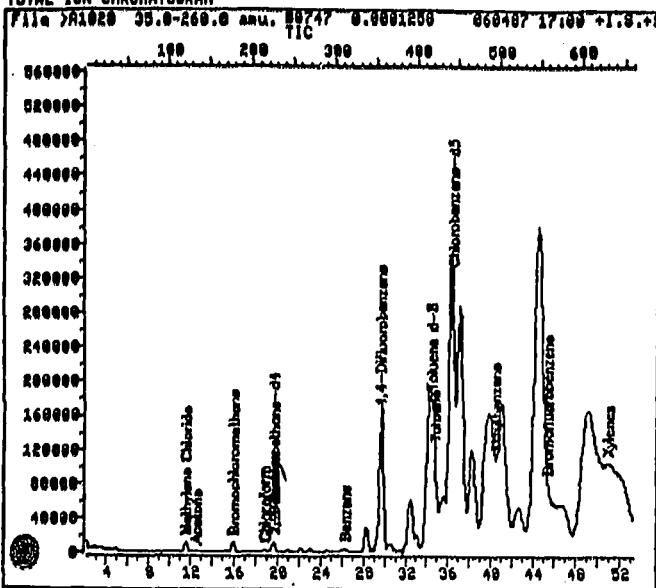
Cyanide	<2.0
Sulfide	<1.0

OTHER PARAMETERS

Flash Point (^o F)	83 ^o F
PH (S.U.)	6.5 (non-corrosive)

AR100044

TOTAL ION CHROMATOGRAM



Data File: >A1028::D2

Quant Output File: ^A1028::M2

Name: B0747 0.000125G

Misc: 060487 17:00 +I.S.+S.S.(5+5UL)(E=1700,A/D=2^5,T=40,SP-1000)

Id File: IDVOL5::M1

Title: PURGEABLE HSL COMPOUNDS (5ML SX)

Last Calibration: 870604 12:51

Operator ID: DT9093

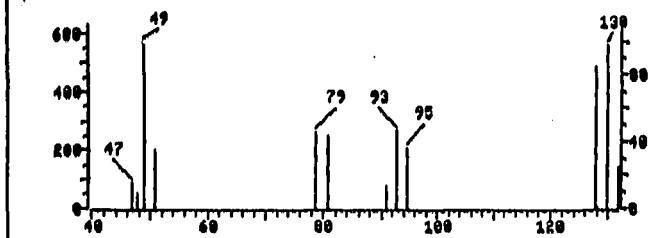
Quant Time: 870604 18:06

Injected at: 870604 17:02

AR100045

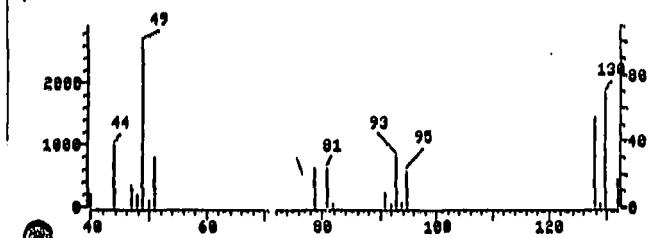
REFERENCE STANDARD SPECTRUM

File 2A1028 80747 Method Blank QML 060407 17:00 +I.S.+S.S.(5) Scan 179
Bpk Ab 874 14.10 min.



SAMPLE SPECTRUM

File 2A1028 80747 0.000125G 060407 17:00 +I.S.+S.S.(5+5UL) Scan 179
Bpk Ab 2674 15.94 min.



Data File: >A1028::D2

Name: B0747 0.000125G

Misc: 060407 17:00 +I.S.+S.S.(5+5UL)(E=1700,A/D=2^5,T=40,SP-1000)

Quant Time: 870604 18:06

Quant Output File: ^A1028::M2

Quant ID File: IDVOL5::M1

Injected at: 870604 17:02

Last Calibration: 870604 12:51

Compound No: 1 (ISTD)

Compound Name: Bromochloromethane

Scan Number: 179

Retention Time: 15.94 min.

Quant Ion: 49.0

Area: 62021

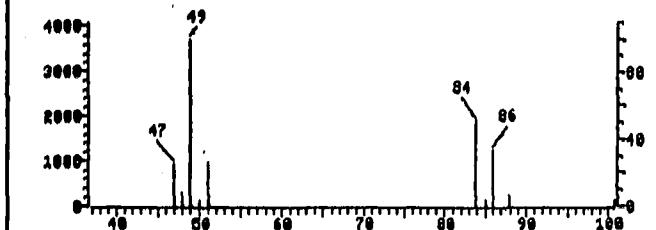
Concentration: 50.00 ug/L

q-value: 100

AR100046

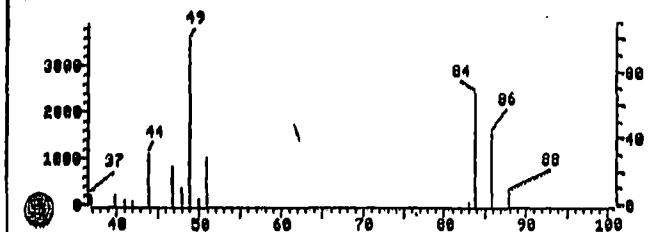
REFERENCE STANDARD SPECTRUM

File DC8899 4UL METHOD 684 25ng 070305 A/D=2^3 T=50 SP- Scan 72
Bpk Ab 3711 3.12 min.



SAMPLE SPECTRUM

File DA1028 00747 0.000125G 060407 17:00 +I.S.+S.S.(5+5UL) Scan 122
Bpk Ab 3569 11.54 min.



Data File: >A1028::D2

Name: B0747 0.000125G

Misc: 060407 17:00 +I.S.+S.S.(5+5UL)(E=1700,A/D=2^5,T=40,SP-1000)

Quant Time: 070604 18:06

Quant Output File: ^A1028::M2

Quant ID File: IDVOL5::M1

Injected at: 070604 17:02

Last Calibration: 070604 12:51

Compound No: 9

Compound Name: Methylene Chloride

Scan Number: 122

Retention Time: 11.54 min.

Quant Ion: 49.0

Area: 76814

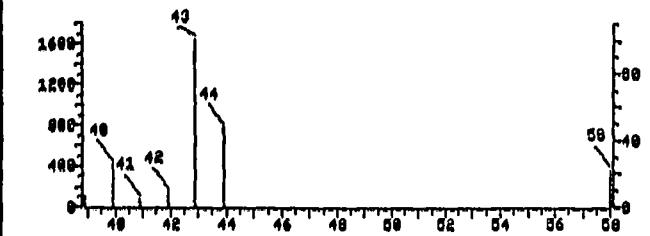
Concentration: 23.97 ug/L

Q-value: 74

AR100047

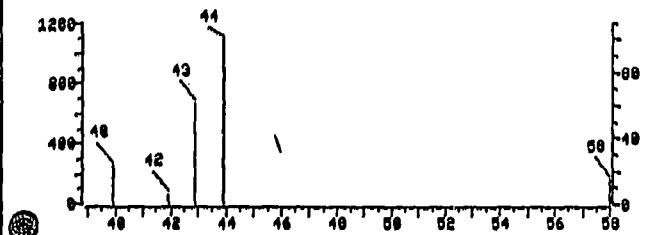
REFERENCE STANDARD SPECTRUM

File >A1028 0000/L HSL CAL CHK 060207 10:15 +I.S.+S.S.(S) Scan 145
Bpk Ab 2699 12.69 min.



SAMPLE SPECTRUM

File >A1028 00747 0.0001250 060407 17:00 +I.S.+S.S.(S) Scan 135
Bpk Ab 1191 12.54 min.



Data File: A1028::D2

Quant Output File: ^A1028::M2

Name: B0747 0.000125G

Misc: 060407 17:00 +I.S.+S.S.(5+5UL)(E=1700,A/D=2^5,T=40,SP=1000)

Quant Time: 070604 10:06

Quant ID File: IDVOL5::M1

Injected at: 070604 12:02

Last Calibration: 070604 12:51

Compound No: 10

Compound Name: Acetone

Scan Number: 135

Retention Time: 12.54 min.

Quant Ion: 43.0

Area: 18949

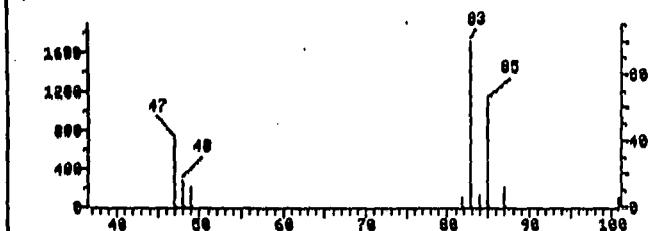
Concentration: 20.60 UG/L

q-value: 90

AR100048

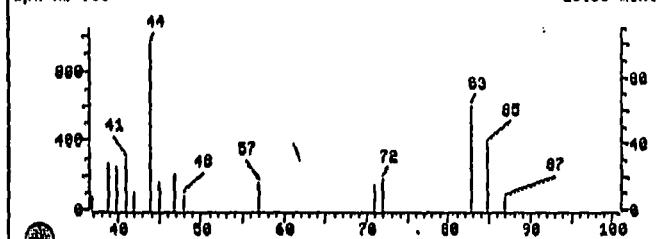
REFERENCE STANDARD SPECTRUM

File >C6H6 4UL METHOD 6R4 25ng 870300 A/D=2^5 T=40 SP= 3 Scan 442
Bpk Ab 2710 10.02 min.



SAMPLE SPECTRUM

File >A1028 80747 0.000125G 860407 17:00 +I.S.+S.S.(5 Scan 216
Bpk Ab 956 18.00 min.



Data File: >A1028::D2

Quant Output File: ^A1028::M2

Name: B0747 0.000125G

Misc: 060407 17:00 +I.S.+S.S.(5+5UL)(E=1700,A/D=2^5,T=40,SP-1000)

Quant Time: 870604 18:06

Quant ID File: IDVOL5::M1

Injected at: 870604 17:02

Last Calibration: 870604 12:51

Compound No: 16

Compound Name: Chloroform

Scan Number: 216

Retention Time: 18.00 min.

Quant Ion: 83.0

Area: 13516

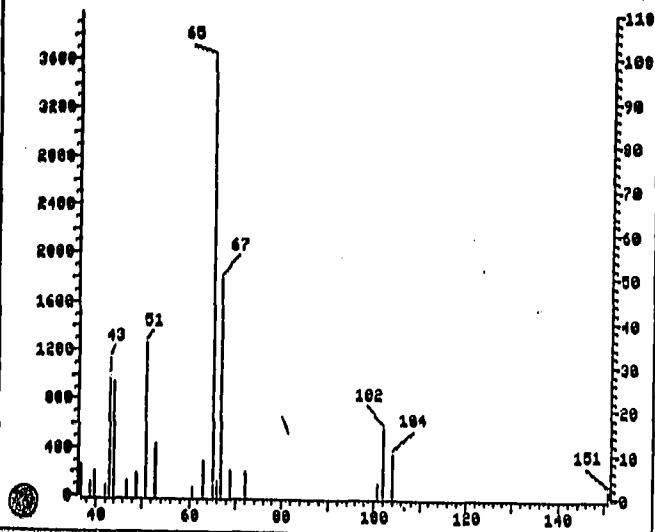
Concentration: 3.06 UG/L

q-value: 92

AR100049

SAMPLE SPECTRUM

File >A1028 80747 0.0001250 060407 17:00 +I.S.+S.S.(5) Scan 227
Bpk Ab 3619 19.65 min.



Data File: >A1028::D2
Name: B0747 0.000125G
Misc: 060407 17:00 +I.S.+S.S.(5+5UL)(E=1700,A/D=2^5,T=40,SP-1000)
Quant Time: 870604 18:06
Injected at: 870604 17:02

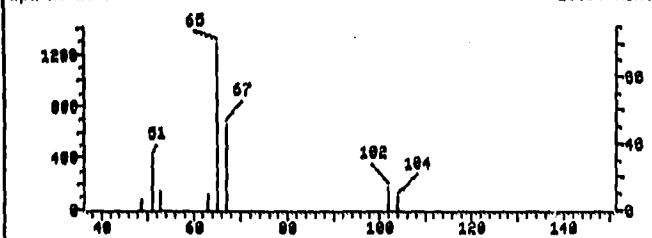
Quant Output File: ^A1028::M2
Quant ID File: IDVOL5::M1
Last Calibration: 870604 12:51

Compound No: 17
Compound Name: 2-Butenone
Scan Number: 227
Retention Time: 19.65 min.
Quant Ion: 43.0
Area: 29008
Concentration: 21.94 UG/L
Q-value: 92

AR100050

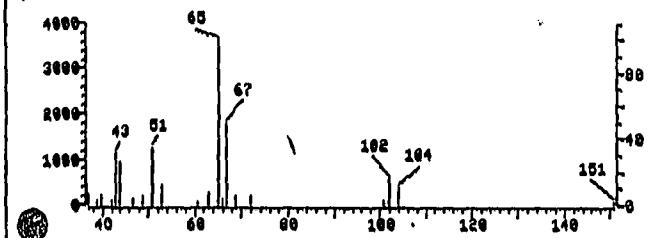
REFERENCE STANDARD SPECTRUM

File: >81139 METHOD BLANK CHL 841687 10:48 +I.S.+S.S.(5) Scan 210
Bpk Ab 2800 10.04 min.



SAMPLE SPECTRUM

File: >A1028 80747 0.000125G 860487 17:00 +I.S.+S.S.(5) Scan 227
Bpk Ab 3619 19.65 min.



Data File: >A1028::D2

Quant Output File: ^A1028::M2

Name: B0747 0.000125G

Misc: 060487 17:00 +I.S.+S.S.(5+5UL)(E=1700,A/D=2^6,T=40,SP-1000)

Quant Time: 870604 18:06

Quant ID File: IDVOL5::M1

Injected at: 870604 17:02

Last Calibration: 870604 12:51

Compound No: 19

Compound Name: 1,2-Dichloroethane-d4

Scan Number: 227

Retention Time: 19.65 min.

Quant Ioni: 65.0

Area: 87077

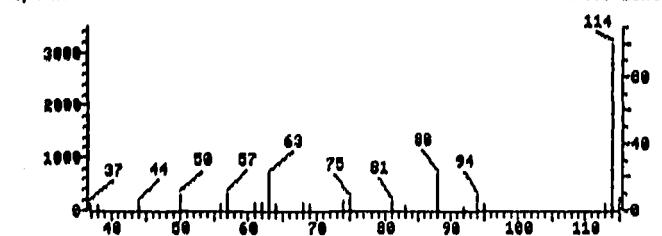
Concentration: 47.30 ug/L

q-value: 97

AR100051

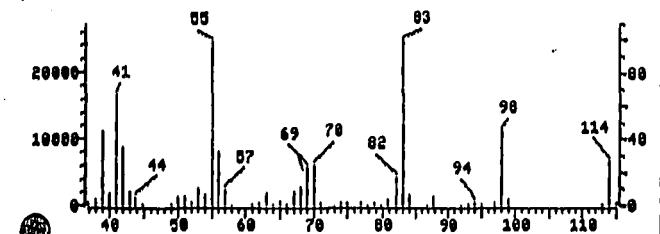
REFERENCE STANDARD SPECTRUM

File: >A1135 METHOD BLANK DML 041607 10:45 +I.S.+S.S.(5) Scan 340
Dpk Ab 3104 20.00 min.



SAMPLE SPECTRUM

File: >A1028 80747 0.000125G 060407 17:00 +I.S.+S.S.(5) Scan 306
Dpk Ab 24784 29.62 min.



Data File: >A1028::D2

Quant Output File: ^A1028::M2

Name: B0747 0.000125G

Misc: 060407 17:00 +I.S.+S.S.(5+5UL)(E=1700,A/D=2^5,T=40,SP-1000)

Quant Time: 870604 18:06

Quant ID File: IDVOL5::M1

Injected at: 870604 17:02

Last Calibration: 870604 12:51

Compound No: 20 (ISTD)

Compound Name: 1,4-Difluorobenzene

Scan Number: 356

Retention Time: 29.62 min.

Quant Ion: 114.0

Area: 164623

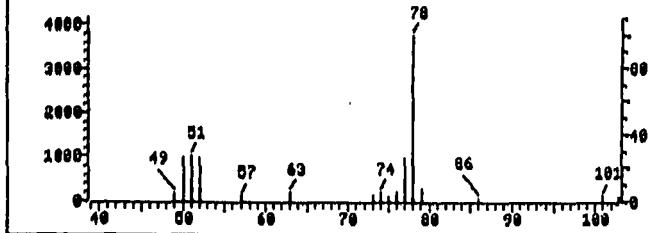
Concentration: 50.00 UG/L

Q-value: 100

AR100052

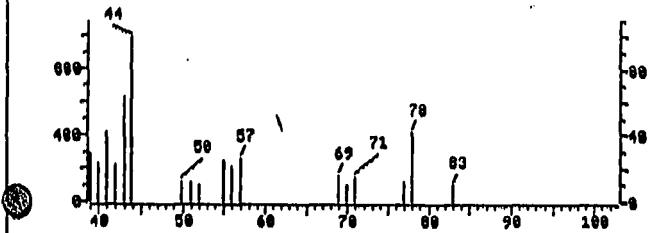
REFERENCE STANDARD SPECTRUM

File >C000B9 4UL METHOD 624 25ng 870305 A/D=2^9 T=50 SP= Scan 892
Bpk Rd 9779 10.43 min.



SAMPLE SPECTRUM

File >A1028 80747 0.000125G 860407 17:00 +I.S.+S.S.(5+5UL) Scan 319
Bpk Rd 988 26.29 min.



Data File: >A1028::D2

Name: B0747 0.000125G

Misc: 060407 17:00 +I.S.+S.S.(5+5UL)(E=1700,A/D=2^9,T=40,SP=1000)

Quant Time: 870604 18:06

Quant Output File: ^A1028::M2

Quant ID File: IDVOL5::M1

Injected at: 870604 17:02

Last Calibration: 870604 12:51

Compound No: 28

Compound Name: Benzene

Scan Number: 313

Retention Time: 26.29 min.

Quant Ion: 78.0

Area: 10583

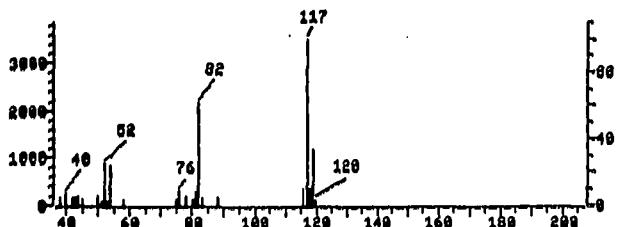
Concentration: 1.65 UG/L

q-value: 100

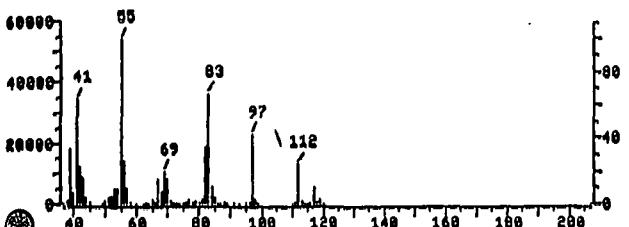
AR100053

REFERENCE STANDARD SPECTRUM

File >A1139 METHOD BLANK CHL 041687 10:48 +1.9.+9.9.¹⁵ Scan 426
Bpk Ab 3588 34.72 min.

**SAMPLE SPECTRUM**

File >A1028 00747 0.0001298 060487 17:00 +1.9.+9.9.¹⁵ Scan 444
Bpk Ab 04144 36.42 min.



Data File: >A1028::D2

Quant Output File: ^A1028::M2

Name: B0747 0.0001298

Misc: 060487 17:00 +1.9.+9.9.(S+5UL)(E=1700,A/D=2^5,T=40,SP-1000)

Quant Time: 070604 10:06

Quant ID File: IDVOL5::M1

Injected at: 070604 17:02

Last Calibration: 070604 12:51

Compound No: 35 (ISTD)

Compound Name: Chlorobenzene-d5

Scan Number: 444

Retention Time: 36.42 min.

Quant Ion: 117.0

Area: 188732

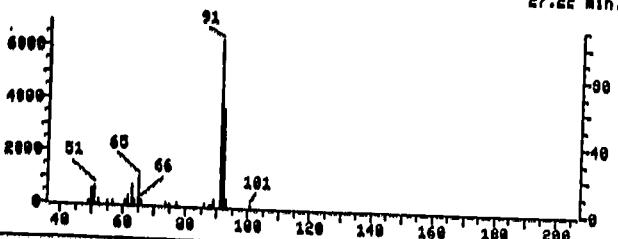
Concentration: 50.00 UG/L

q-value: 1.00

AR100054

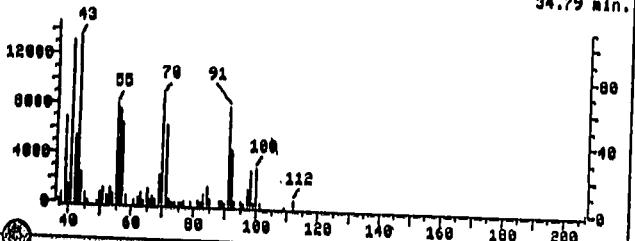
REFERENCE STANDARD SPECTRUM

File >A1028 80747 0.0001250 A/D=2^3 T=40 SP= 27.22 min.
Bpk Ab 63311



SAMPLE SPECTRUM

File >A1028 80747 0.0001250 060407 17:00 +I.S.+S.S.(5+5UL) Scan 423
Bpk Ab 63311 34.79 min.



Data File: >A1028::D2
Name: 80747 0.000125G
Misc: 060407 17:00 +I.S.+S.S.(5+5UL)(E=1700,A/D=2^3,T=40,SP=1000)
Quant Time: 80604 18:06
Injected at: 80604 17:02

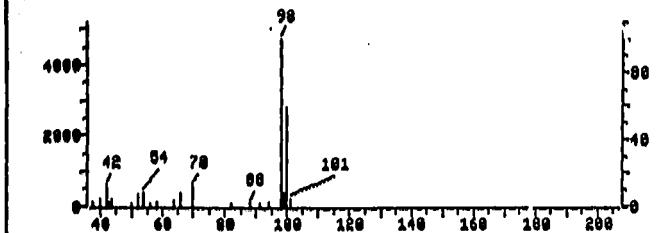
Quant Output File: ^A1028::M2
Quant ID File: IDVOL5::M1
Last Calibration: 80604 12:51

Compound No: 39
Compound Name: Toluene
Scan Number: 423
Retention Time: 34.79 min.
Quant Ion: 91.0
Area: 234891
Concentration: 23.58 UG/L
q-value: 94

AR100055

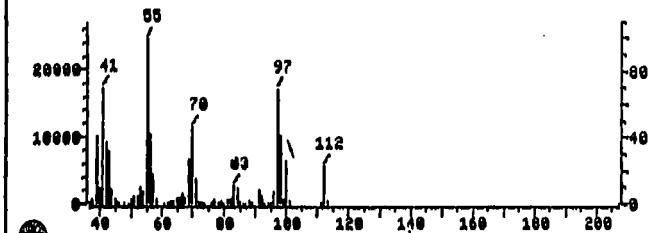
REFERENCE STANDARD SPECTRUM

File >01129 METHOD BLANK 0ML 061607 10:45 +I.S.+S.S.(5 Scan 484
Bpk Ab 4783 33.02 min.



SAMPLE SPECTRUM

File >A1028 00747 0.0001250 060407 17:00 +I.S.+S.S.(5 Scan 419
Bpk Ab 24624 34.48 min.



Data File: >A1028::D2

Quant Output File: ^A1028::M2

Name: B0247 0.000125G

Misc: 060407 17:00 +I.S.+S.S.(5+5UL)(E=1700,A/D=2^5,T=40,SP-1000)

Quant Time: 070604 18:06

Quant ID File: IDVOL5::M1

Injected at: 070604 17:02

Last Calibration: 070604 12:51

Compound No: 40

Compound Name: Toluene d-8

Scan Number: 419

Retention Time: 34.48 min.

Quant Ioni 98.0

Area: 318621

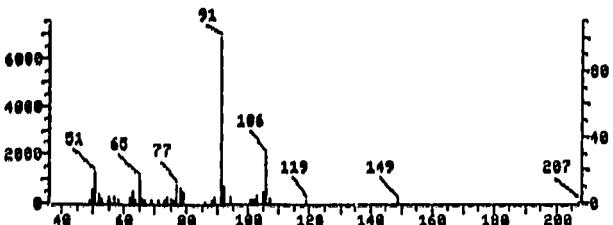
Concentration: 66.70 UG/L

Q-value: 100

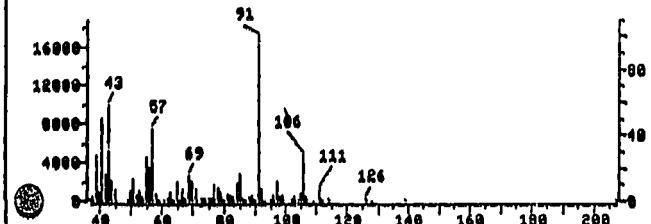
AR100056

REFERENCE STANDARD SPECTRUM

File >C8H9 4UL METHOD 624 25ng 870385 A/D=2^3 T=50 SP- Scan 1572
Bpk Ab 6032 31.12 min.

**SAMPLE SPECTRUM**

File >A1028 80747 0.000125G 860407 17:00 +I.S.+S.S.(5+5UL) Scan 496
Bpk Ab 17192 40.44 min.



Data File: >A1028::D2

Quant Output File: ^A1028::M2

Name: B0747 0.000125G

Misc: 060407 17:00 +I.S.+S.S.(5+5UL)(E=1700,A/D=2^5,T=40,SP-1000)

Quant Time: 870604 18:06

Quant ID File: IDVOL5::M1

Injected at: 870604 17:02

Last Calibration: 870604 12:51

Compound No: 42

Compound Name: Ethylbenzene

Scan Number: 496

Retention Time: 40.44 min.

Quant Ion: 91.0

Area: 789936

Concentration: 56.20 ug/L

q-value: 80

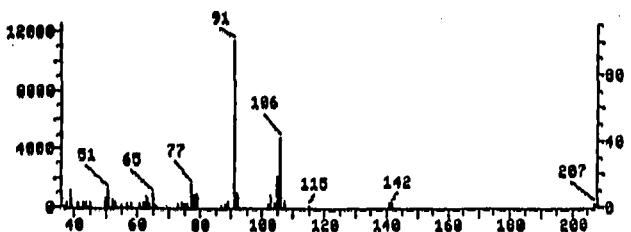
AR100057

REFERENCE STANDARD SPECTRUM

File >A1028 MSL MIX
Bpk Ab 21400

861407 13:48

Scan 642
46.98 min.

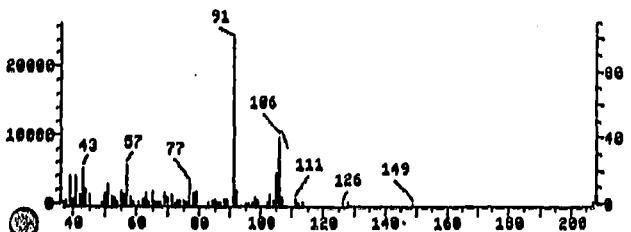


AMPLE SPECTRUM

File >A1028 00747 0.0001250
Bpk Ab 24000

860407 17:00 +I.S.+S.S.(5+5UL)(E=1700,A/D=2^5,T=40,SP-1000)

Scan 632
50.95 min.



Data File: >A1028::D2

Name: B0747 0.000125G

Misc: 060407 17:00 +I.S.+S.S.(5+5UL)(E=1700,A/D=2^5,T=40,SP-1000)

Quant Time: 870604 18:06

Quant Output File: ^A1028::M2

Quant ID File: IDVOL5::M1

Injected at: 870604 17:02

Last Calibration: 870604 12:51

Compound No: 45

Compound Name: O-Xylene

Scan Number: 632

Retention Time: 50.95 min.

Quant Ion: 91.0

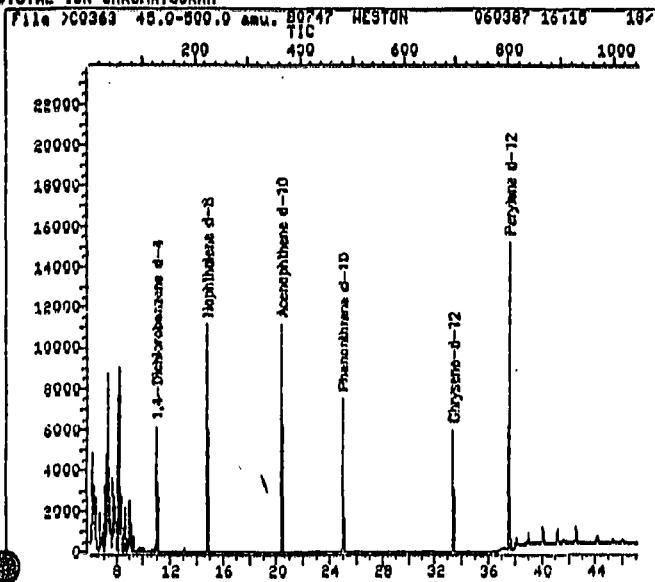
Area: 1880067

Concentration: 143.64 UG/L

Q-value: 93

ARI00058

TOTAL ION CHROMATOGRAM



Data File: >C0363::D3

Name: B0747 WESTON

Misc: 060387 16:15 1G/50ML

Quant Output File: ^C0363::D4

(E=1900,A/D=2^3,T=60,SPB-5)

Id File: IDHSLB::M2

Title: HSL SEMIVOLATILE COMPOUNDS

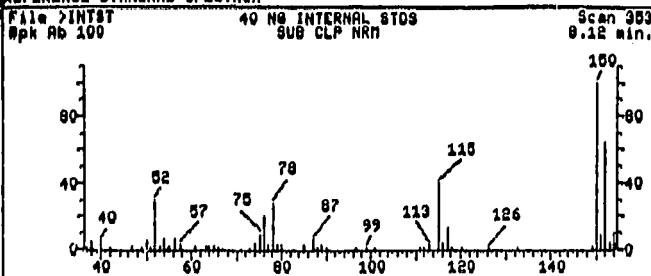
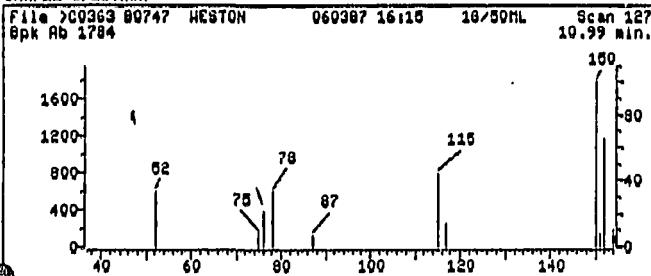
Last Calibration: 870603 10:53

Operator ID: GLENN

Quant Time: 870603 17:03

Injected at: 870603 16:13

AR100059

REFERENCE STANDARD SPECTRUM**SAMPLE SPECTRUM**

Data File: >C0363::D3

Quant Output File: ^C0363::D4

Name: B0747 WESTON

Misc: 060307 16:15 1G/50ML

(E=1900,A/D=2^3,T=60,SPB-5)

Quant Time: 070603 17:03

Quant ID File: IDHSLB::M2

Injected at: 070603 16:13

Last Calibration: 070603 10:53

Compound No: 1 (ISTD)

Compound Name: 1,4-Dichlorobenzene d-4

Scan Number: 127

Retention Time: 10.99 min.

Quant Ion: 150.1

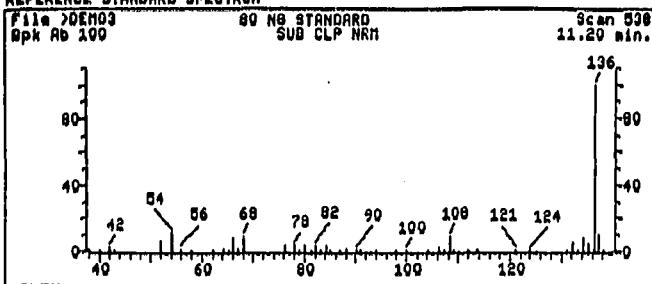
Area: 6532

Concentration: 40.00 UG/L

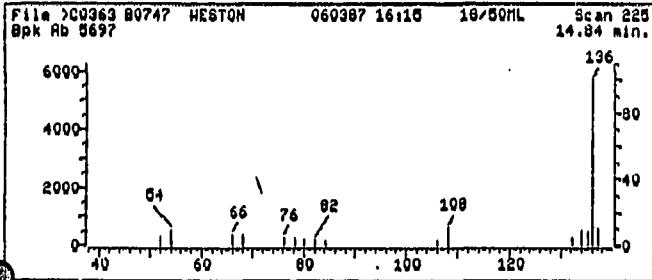
q-value: 96

AR100060

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM



Data File: >C0363::D3

Quant Output File: ^C0363::D4

Name: B0747 WESTON

Misc: 060387 16:15 1G/50ML (E=1900,A/D=2^3,T=60,SPB-5)

Quant Time: 870603 17:03

Quant ID File: IDHSLB::M2

Injected at: 870603 16:13

Last Calibration: 870603 10:53

Compound No: 18 (ISTD)

Compound Name: Naphthalene d-8

Scan Number: 226

Retention Time: 14.84 min.

Quant Ion: 136.1

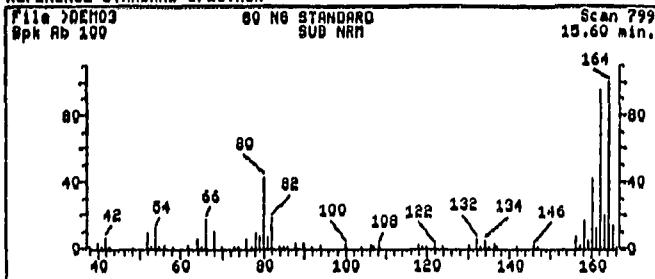
Area: 15998

Concentration: 40.00 UG/L

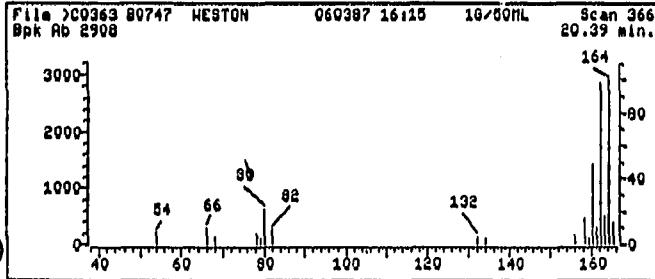
q-value: 98

AR100061

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM



Data File: >C0363::D3

Name: 80747 WESTON

Misc: 060307 16:15 1G/50ML

Quant Time: 80603 17:03

Injected at: 80603 16:13

Quant Output File: ^C0363::D4

(E=1900,A/D=2^3,T=60,SPB-5)

Quant ID File: IDHSLB::M2

Last Calibration: 80603 10:53

Compound No: 30 (ISTD)

Compound Name: Acenaphthene d-10

Scan Number: 366

Retention Time: 20.39 min.

Quant Ion: 162.0

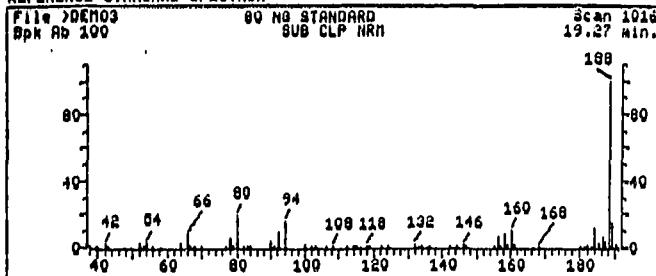
Area: 8313

Concentration: 40.00 UG/L

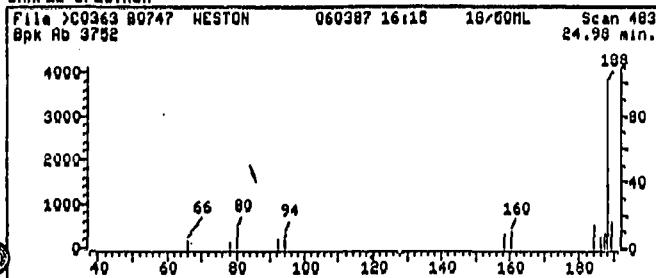
q-value: 96

AR100062

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM



Data File: >C0363::D3

Quant Output File: ^C0363::D4

Name: 80747 WESTON

Misc: 060387 16:15 1G/50ML

(E=1900,A/D=2^3,T=60,SPB-5)

Quant Time: 870603 17:03

Quant ID File: IDHSLB::M2

Injected at: 870603 16:13

Last Calibration: 870603 10:53

Compound No: 53 (ISTD)

Compound Name: Phenanthrene d-10

Scan Number: 493

Retention Time: 24.98 min.

Quant Ion: 188.1

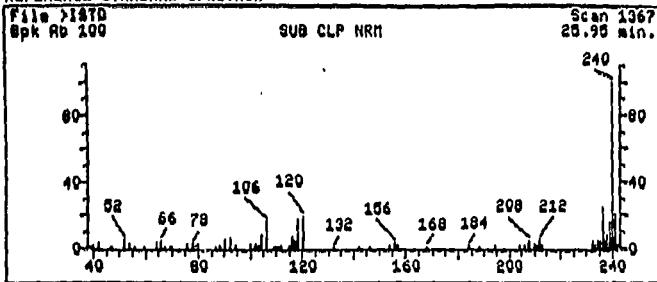
Area: 13171

Concentration: 40.00 UG/L

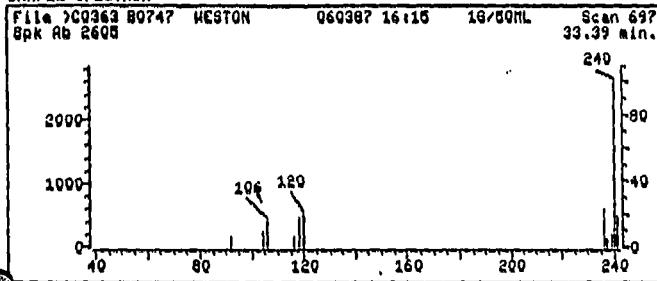
q-value: 98

AR100063

REFERENCE STANDARD-SPECTRUM



SAMPLE SPECTRUM



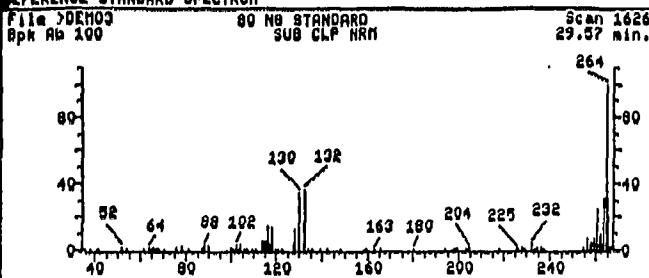
Data File: >C0363:::03
Name: B0747 WESTON
Misc: 060387 16:15 1G/50ML
Quant Time: 070603 17:03
Injected at: 070603 16:13

Quant Output File: ^C0363:::04
(E=1900,A/D=2^3,T=60,SPB-5)
Quant ID File: IDHSLB::M2
Last Calibration: 070603 10:53

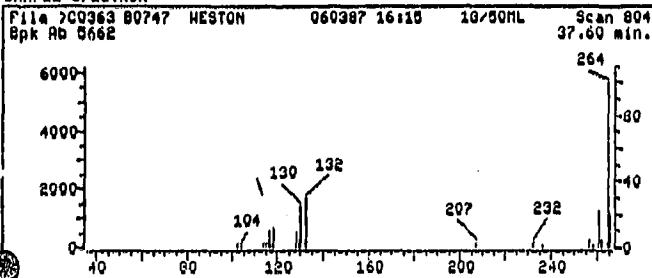
Compound No: 63 (ISTD)
Compound Name: Chrysene-d-12
Scan Number: 697
Retention Time: 33.39 min.
Quant Ion: 240.1
Area: 12416
Concentration: 40.00 ug/L
q-value: 96

AR100064

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM



Data File: >C0363::D3

Name: 80747 WESTON

Misc: 060387 16:15 1G/50ML

Quant Output File: ^C0363::D4

(E=1900,A/D=2^3,T=60,SPB-5)

Quant Time: 870603 17:03

Quant ID File: IDHSLB::M2

Injected at: 870603 16:13

Last Calibration: 870603 10:53

Compound No: 71 (ISTD)

Compound Name: Perylene d-12

Scan Number: 804

Retention Time: 37.60 min.

Quant Ion: 264.1

Area: 28406

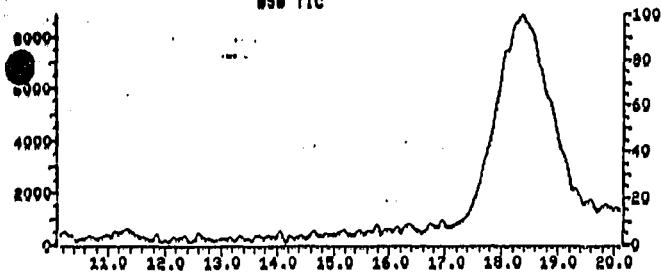
Concentration: 40.00 UG/L

q-value: 97

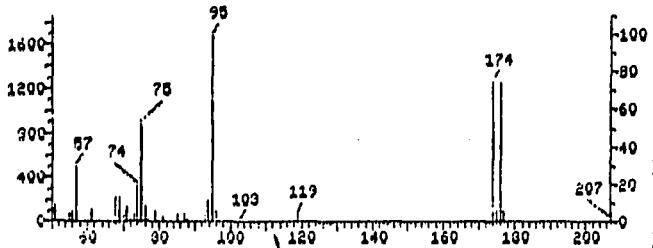
AR100065

114 >AR1022 45.0-260.0 amu. EPE 25N9/UL 2UL 060487 10:25

999 TIC



114 >AR1022 BF3 25N9/UL 2UL 060487 10:25 (E=1% Scan 111
pk ab 1684 18.27 min.



AR100067

GC/MS TUNING AND MASS CALIBRATION

Decafluorotriphenylphosphine (DFTPP)

Case No. N/A Contractor Westex Ind of NJ Contract No. N/A

Instrument ID 5970,C Date / Time 6/03/87 9:24

Lab ID >C03551:D Data Release Authorized By: Richard A. Lynd

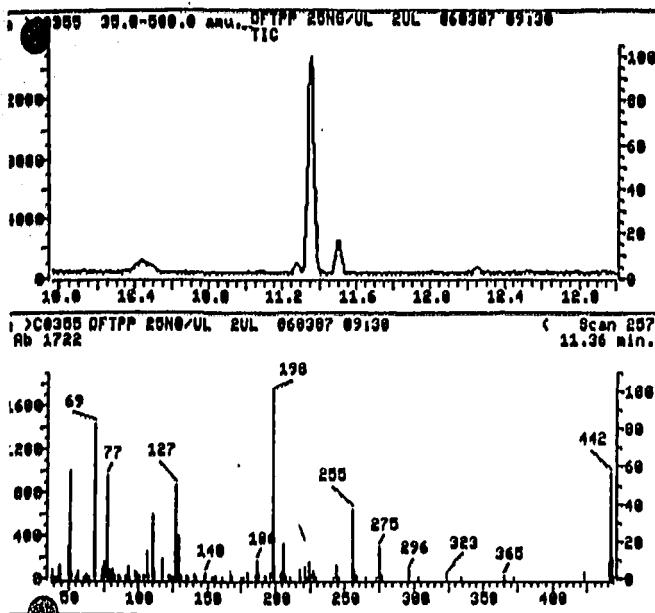
n/z	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	57.96 OK
68	less than 2.0% of mass 69	0.00 OK (0.00) #1
69	mass 69 relative abundance	82.87
70	less than 2.0% of mass 69	0.00 OK (0.00) #1
127	40.0 - 60.0% of mass 198	50.87 OK
197	less than 1.0% of mass 198	0.00 OK
198	base peak, 100% relative abundance	100.00 OK
199	5.0 - 9.0% of mass 198	6.56 OK
275	10.0 - 30.0% of mass 198	17.48 OK
365	greater than 1.00% of mass 198	1.86 OK
441	present, but less than mass 443	9.29 OK
442	greater than 40.0% of mass 198	56.39 OK
443	17.0 - 23.0% of mass 442	11.15 OK (19.77) #2

THIS PERFORMANCE TUNE APPLIES TO THE
FOLLOWING SAMPLES, BLANKS AND STANDARDS.

#1 - Value in parenthesis is % mass 69.
#2 - Value in parenthesis is % mass 442.

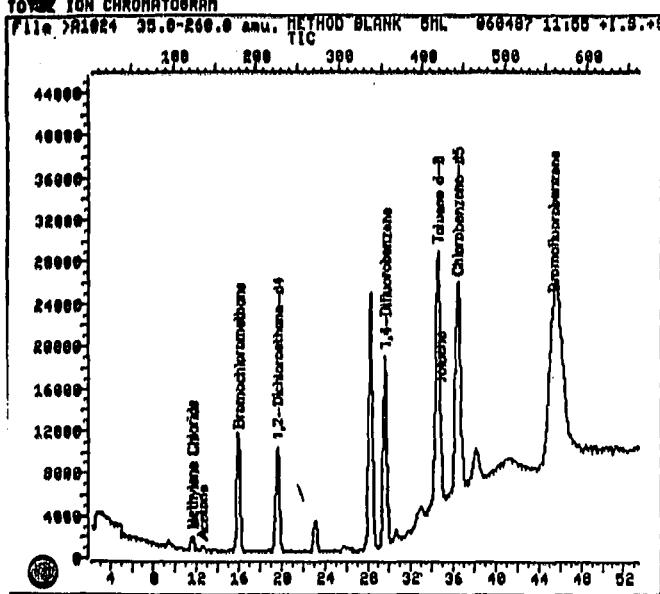
SAMPLE_ID	LAB_ID	DATE_OF_ANALYSIS	TIME_OF_ANALYSIS
DFTPP 25mg/UL	>C0355	6/03/87	9:24
150PPM HSL CAL CRK	>C0356	6/03/87	9:45
IBK0036-3	BA00361	>C0357	6/03/87 10:46
IBK0489	DAT1	BA00361	>C0358 11:39
IBK0570	DAT1	BA00361	>C0359 12:35
IBK0638-2	BA00381	>C0360	6/03/87 13:29
IBK0445	DAT1	BA00381	>C0361 14:23
IBK0682	DAT1	BA00381	>C0362 15:20
IBK0747	NESTON	1	>C0363 16:13
IBK0634	DAT1	BA00381	>C0364 17:10

AR100068



AR100069

TOTAL ION CHROMATOGRAM



Data File: >A1024::D2
Name: METHOD BLANK 5ML
Misc: 060487 11:55 +I.S.+S.S.(5+5UL)(E=1700,A/D=2^5,T=40,SP=1000)

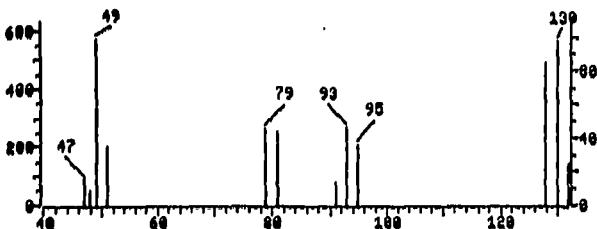
Id File: IDVOL5::M1
Title: PURGEABLE HSL COMPOUNDS (5ML SX)
Last Calibration: 870604 12:51

Operator ID: DT9093
Quant Time: 870604 12:51
Injected at: 870604 11:55

AR100071

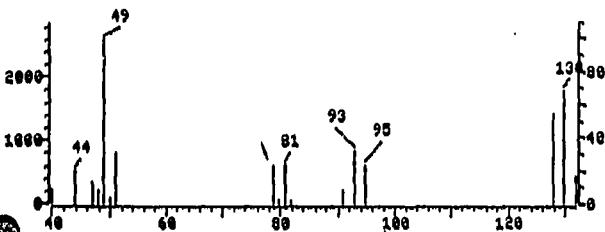
REFERENCE STANDARD SPECTRUM

File >A1024 METHOD BLANK 5ML 041607 10:45 +I.S.+S.S.(5 Scan 189
Bpk Ab 574 14.16 min.



SAMPLE SPECTRUM

File >A1024 METHOD BLANK 5ML 060407 11:55 +I.S.+S.S.(5 Scan 189
Bpk Ab 2613 16.00 min.



Data File: >A1024::D2

Quant Output File: ^A1024::M2

Name: METHOD BLANK 5ML

Misc: 060407 11:55 +I.S.+S.S.(5+5UL)(E=1700,A/D=2^5,T=40,SP-1000)

Quant Time: 070604 12:51

Quant ID File: IDVOL5::M1

Injected at: 070604 11:55

Last Calibration: 070604 12:51

Compound No: 1 (ISTD)

Compound Name: Bromochloromethane

Scan Number: 180

Retention Time: 16.00 min.

Quant Ion: 49.0

Area: 60101

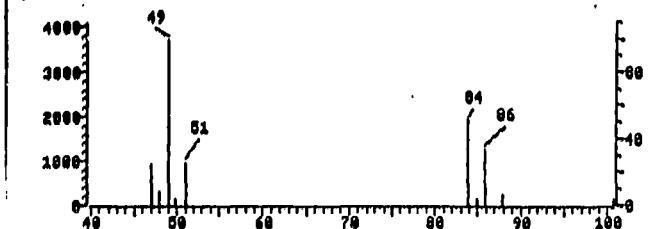
Concentration: 50.00 UG/L

Q-value: 100

AR100072

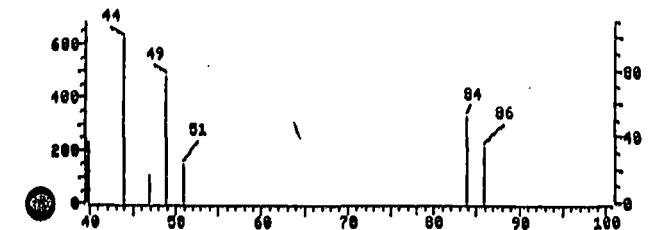
REFERENCE STANDARD SPECTRUM

File X08809 4UL METHOD 624 25ng 070305 A/D=2^3 T=40 SP= Scan 72
Bpk Ab 3711 3.12 min.



SAMPLE SPECTRUM

File XA1024 METHOD BLANK 5ML 060407 11:00 +I.S.+S.S.(5+5UL) Scan 123
Bpk Ab 622 11.59 min.



Data File: >A1024::D2

Name: METHOD BLANK 5ML

Misc: 060407 11:55 +I.S.+S.S.(5+5UL)(E=1700,A/D=2^5,T=40,SP=1000)

Quant Time: 070604 12:51

Quant Output File: ^A1024::M2

Quant ID File: IDVOL5::M1

Injected at: 070604 11:55

Last Calibration: 070604 12:51

Compound No: 9

Compound Name: Methylene Chloride

Scan Number: 123

Retention Time: 11.59 min.

Quant Ion: 49.0

Area: 10178

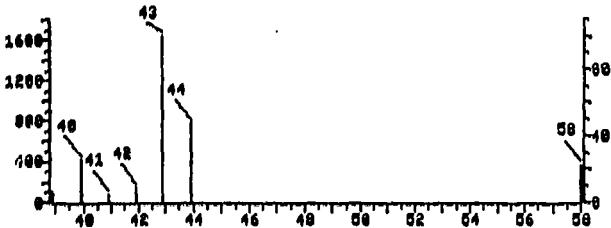
Concentration: 3.28 UG/L

q-value: 73

AR100073

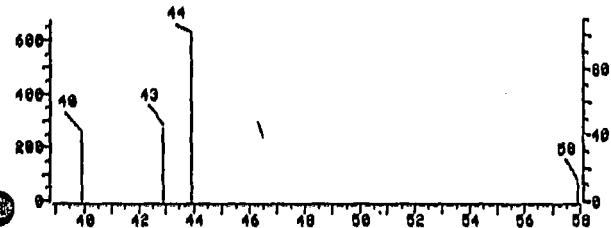
REFERENCE STANDARD SPECTRUM

File A1024 0000/L HSL CAL CHK 060207 10:15 +I.S.+S.S.(0) Scan 140
Bpk Ab 2639 1E.69 min.



SAMPLE SPECTRUM

File A1024 METHOD BLANK 5ML 060407 11:55 +I.S.+S.S.(0) Scan 135
Bpk Ab 617 12.52 min.



Data File: A1024::D2

Quant Output File: ^A1024::M2

Name: METHOD BLANK 5ML

Misc: 060407 11:55 +I.S.+S.S.(5+5UL)(E=1700,A/D=2^5,T=40,SP-1000)

Quant Time: 870604 12:51

Quant ID File: IDVOL5::M1

Injected at: 870604 11:55

Last Calibration: 870604 12:51

Compound No: 10

Compound Name: Acetone

Scan Number: 135

Retention Time: 12.52 min.

Quant Ion: 43.0

Area: 6465

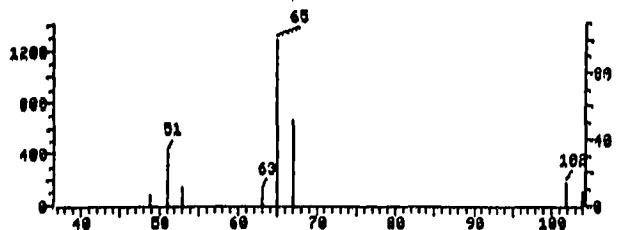
Concentration: 7.41 UG/L

q-value: .89

A100074

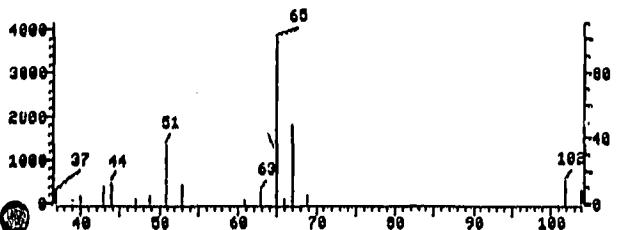
REFERENCE STANDARD SPECTRUM

File >A1139 METHOD BLANK 5ML 041687 10:45 +I.S.+S.S.(5 Scan 210
Bpk Ab 2805 10.04 min.



SAMPLE SPECTRUM

File >A1024 METHOD BLANK 5ML 060487 11:55 +I.S.+S.S.(5 Scan 227
Bpk Ab 3782 19.63 min.



Data File: >A1024::D2

Quant Output File: ^A1024::M2

Name: METHOD BLANK 5ML

Misc: 060487 11:55 +I.S.+S.S.(5+5UL)(E=1700,A/D=2^5,T=40,SP-1000)

Quant Time: 070604 12:51

Quant ID File: IDVOL5::M1

Injected at: 070604 11:55

Last Calibration: 070604 12:51

Compound No: 19

Compound Name: 1,2-Dichloroethane-d4

Scan Number: 227

Retention Time: 19.63 min.

Quant Ion: 65.0

Area: 86974

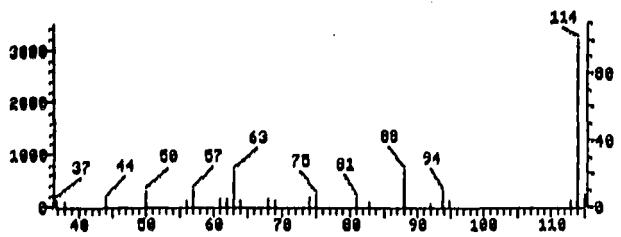
Concentration: 48.76 ug/L

q-value: 99

AR100075

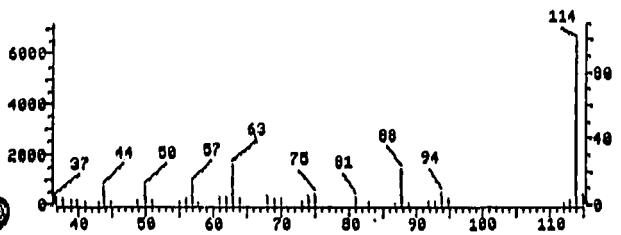
REFERENCE STANDARD SPECTRUM

File >A1024 METHOD BLANK 8ML 060407 10:40 +I.S.+S.S.(5) Scan 348
Bpk Ab 3184 29.00 min.



SAMPLE SPECTRUM

File >A1024 METHOD BLANK 8ML 060407 11:55 +I.S.+S.S.(5) Scan 366
Bpk Ab 6567 29.59 min.



Data File: >A1024::D2

Quant Output File: ^A1024::M2

Name: METHOD BLANK 8ML

Misc: 060407 11:55 +I.S.+S.S.(5+5UL)(E=1700,A/D=2^5,T=40,SP-1000)

Quant Time: 870604 12:51

Quant ID File: IDVOL5::M1

Injected at: 870604 11:55

Last Calibration: 870604 12:51

Compound No: 20 (ISTD)

Compound Name: 1,4-Difluorobenzene

Scan Number: 356

Retention Time: 29.59 min.

Quant Ion: 114.0

Area: 154179

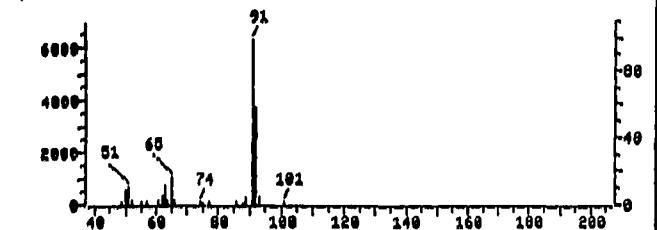
Concentration: 50.00 ug/L

Q-value: 100

AR100076

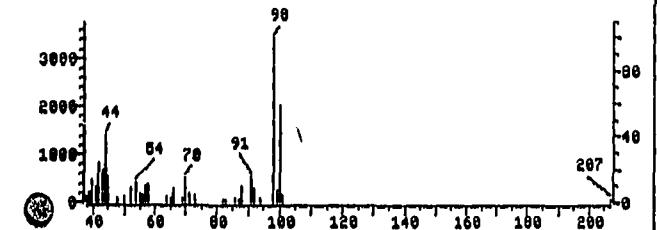
REFERENCE STANDARD SPECTRUM

File >C8009 4UL METHOD 624 25ng 870305 A/D=2^3 T=50 SP- Scan 1363
Bpk AB 6211 27.22 min.



SAMPLE SPECTRUM

File >A1024 METHOD BLANK 5ML 860407 11:55 +I.S.+S.S.(5+5UL) Scan 423
Bpk AB 3435 34.77 min.



Data File: >A1024::D2

Name: METHOD BLANK 5ML

Misc: 060407 11:55 +I.S.+S.S.(5+5UL)(E=1700,A/D=2^5,T=40,SP-1000).

Quant Time: 870604 12:51

Quant ID File: IDVOL5::M1

Injected at: 870604 11:55

Last Calibration: 870604 12:51

Quant Output File: ^A1024::M2

Compound No: 39

Compound Name: Toluene

Scan Number: 423

Retention Time: 34.77 min.

Quant Ion: 91.0

Area: 15829

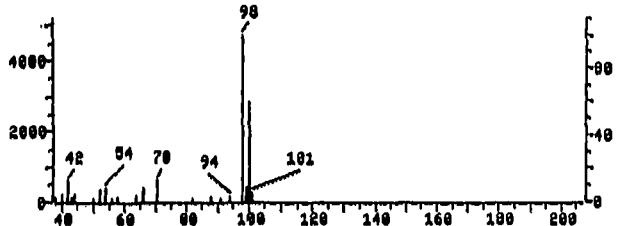
Concentration: 1.62 UG/L

q-value: 91

AR100077

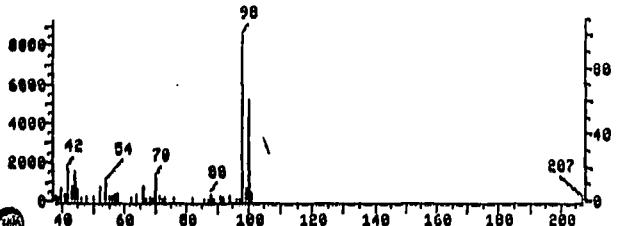
REFERENCE STANDARD SPECTRUM

File 2B1129 METHOD BLANK 5ML 041687 10:40 +I.S.+S.S.(5) Scan 404
Bpk AD 47E9 33.02 min.



SAMPLE SPECTRUM

File 2A1024 METHOD BLANK 5ML 060487 11:55 +I.S.+S.S.(5) Scan 420
Bpk AD 8498 34.54 min.



Data File: >A1024::D2

Quant Output File: ^A1024::M2

Name: METHOD BLANK 5ML

Misc: 060487 11:55 +I.S.+S.S.(5+5UL)(E=1700,A/D=2^5,T=40,SP-1000)

Quant Time: 870604 12:51

Quant ID File: IDVOL5::M1

Injected at: 870604 11:55

Last Calibration: 870604 12:51

Compound No: 40

Compound Name: Toluene d-8

Scan Number: 420

Retention Time: 34.54 min.

Quant Ion: 98.0

Area: 233047

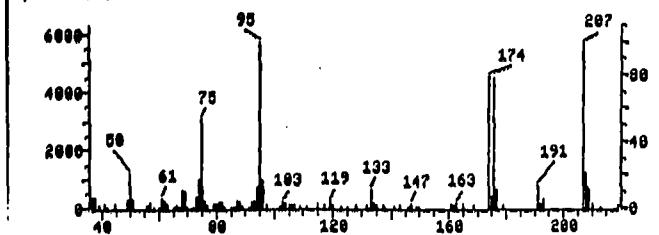
Concentration: 49.66 ug/L

q-value: 100

ARI00078

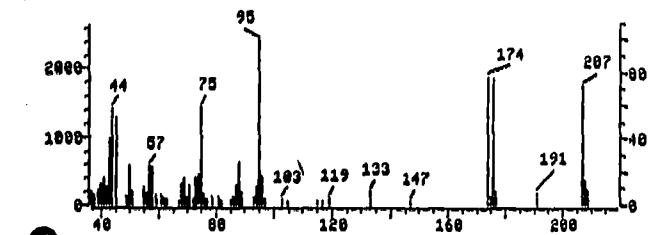
REFERENCE STANDARD SPECTRUM

File >08978 SUB# K8 CAL CHK 060407 10:30 +I.S.+S.S.(5) Scan 039
Bpk Ab 9729 SUB 42.74 min.



SAMPLE SPECTRUM

File >A1024 METHOD BLANK 5ML 060407 11:55 +I.S.+S.S.(5) Scan 560
Bpk Ab 6410 45.36 min.



Data File: >A1024::D2

Quant Output File: ^A1024::M2

Name: METHOD BLANK 5ML

Miac: 060407 11:55 +I.S.+S.S.(5+5UL)(E=1700,A/D=2^5,T=40,SP-1000)

Quant Time: 870604 12:51

Quant ID File: IDVOL5::M1

Injected at: 870604 11:55

Last Calibration: 870604 12:51

Compound No: 44

Compound Name: Bromofluorobenzene

Scan Number: 560

Retention Time: 45.36 min.

Quant Ion: 95.0

Area: 158674

Concentration: 50.21 UG/L

q-value: 100

AR100079

DRUM INSPECTION LOG

Site: Bt 563 Drum and Keg Co.
 Location: Montgomery County, PA

Saf-T-P

Drum #: D01
 Project Code #: 10957

Date: 5/30/87
 Time: 0230 hr

Type of Contents: SOLID LIQUID SLUDGE LAB PACK

Color black / opaque

pH _____

OVA N/A

HNU peaks 300

EXPLO background

RADIOMETER background

Amount of Contents: Full 3/4 1/2 1/4 Less than 1"

Drum Size: 55-gallon 41-gallon 30-gallon 5-gallon

Drum Markings: none

Drum Type: 17H 17E 37M Fiber Overpack Other

Drum Condition: Deteriorated Leaking Dented OK/DOT

Sample Method: Pipette Trowel Other 16oz jar

Comments:

LAYER DESCRIPTION

possible ink AR100080
sample RSD-053087-D01

/// black ///

To: ERD/DERR (EPASS11)
To: T.MASSEY (EPA9374)
From: J.HESTON (EPA9345) Delivered: Mon, 1-June-87 11:50 EDT Sys 163
Subject: RTE. 563 DRUM SITE - POLREP 1
Mail Id: IPM-163-870601-106541295

POLREP 1

ROUTE 563 ABANDONED DRUM
SALFORD TWP., MONTGOMERY COUNTY, PA.
CERCLA EMERGENCY RESPONSE

ATTN: TOM MASSEY & TIM FIELDS

I. SITUATION: (1000 HRS, 5/30/87)

- A. AN ABANDONED DRUM WAS DISCOVERED BY THE LIMERICK STATE POLICE. THE SITUATION WAS REPORTED TO THE RRC (USC HESTON) BY THE LIMERICK STATE POLICE AT 2230 HRS ON 5/29/87. THE LOCATION OF THE ABANDON DRUM WAS AT P.O. BOX 610, RIDGE RD. (ROUTE 563) IN SALFORD TWP. MONTGOMERY CO., PA. USC HESTON ACTIVATED TAT AT 2300 HRS AS LIMERICK STATE POLICE SECURED THE AREA UNTIL TAT ARRIVED ON SCENE.
- B. PERSONNEL ON-SCENE: LIMERICK STATE POLICE (LUTZ, STEWARD), TAT (HABRUKOWICH, JANIEC, MERKL).
- C. WEATHER: CALM, HUMID, HIGH IN THE MID-70'S.

II. ACTIONS TAKEN

- A. USC HESTON ACTIVATED TAT AT 2300 HRS, 5/29/87.
- B. TAT, (JANIEC, HABRUKOWICH) ARRIVE ON SCENE AT 0030 HRS AND MEET WITH LIMERICK STATE POLICE, (STEWARD, LUTZ) AND ARE UPDATED WITH ALL KNOWN INFORMATION.
- C. EQUIPMENT VAN AND TATM MERKL ARRIVE ON SCENE AT 0200 HRS.
- D. TAT MAKES ENTRY AND PERFORMS SAMPLING OF DRUM. TATM JANIEC EQUIPPED WITH PHOTOIONIZATION DETECTOR, RADIATION METER, COMBUSTIBLE GAS INDICATOR/OXYGEN METER (CGI). ENTRY MEMBER WEARS LEVEL B PROTECTIVE EQUIPMENT. THE DRUM WAS SURVEYED AND VAPORS WERE DETECTED BY THE PHOTOIONIZATION DETECTOR AT 10 UNITS/PPM ABOVE BACKGROUND LEVELS WHEN BUNG WAS CRACKED. UPON REMOVING THE BUNG PEAKS AS HIGH AS 200 UNITS ABOVE BACKGROUND WERE DETECTED. NO ADDITIONAL READINGS WERE OBSERVED BY EITHER THE RADIATION METER OR THE COMBUSTIBLE GAS/OXYGEN METER.

- E. AT 0230 HRS TAT EXTRACT SAMPLE FOR LABORATORY ANALYSIS. LIQUID MATERIAL FROM DRUM WAS BLACK OPAQUE IN COLOR AND HAD A SLIGHT ODOR. SAMPLE BOTTLE WAS LABELED RSD-053087-D01.
- F. AT 0245 HRS TAT CLOSE DRUM AND BANNER GUARD AREA.
- G. AT 0300 HRS TAT NOTIFY OSC AS TO PRESENT STATUS; OSC INFORMS TAT TO AWAIT FURTHER INSTRUCTIONS AND TO GIVE OSC CALL AT 0800 HRS.
- H. TAT CONTACT OSC AT 0800 HRS, OSC INSTRUCTS TAT TO PREPARE POLREP AND TO WAIT UNTIL MONDAY WHEN TAT WILL CONTRACT LAB TO RUN PP SCAN AND RCRA ANALYSIS.
- I. OSC BRIEFED RADER (BEITLER) ON PLANS FOR SITE.

III. FUTURE PLANS:

- A. TAT WILL CONTRACT LAB ON MONDAY 6/1/87 TO RUN ANALYSIS.
- B. OSC TO COORDINATE WITH LIMERICK STATE POLICE AND LOCAL OFFICIALS AS TO BEST METHOD OF DISPOSAL.
- C. OSC TO CONTACT TAT-PD (HAWKINS) TO OBTAIN FUNDS FOR SAMPLE ANALYSIS.
- D. FURTHER ACTIONS PENDING SAMPLE ANALYSIS.

Gerald T. Heston
GERALD HESTON, OSC
US EPA, REGION III
PHILADELPHIA, PA

AR100082

To: ERD/OERR (EPA5511)
To: T.MASSEY (EPA9374)
From: J.HESTON (EPA9345) Delivered: Fri 5-June-87 10:48 EDT Sys 16
Subject: RTE 563 DRUM SITE - POLREP 2
Mail Id: IPM-163-870605-097240301

ATTN: TOM MASSEY & TIM FIELDS

ROUTE 563 DRUM SITE
SALFORD TWP., PA.

POLREP 2

I. SITUATION (1130 HRS., 6/4/87):

- A. OSC RECEIVED RESULTS FROM DRUM SAMPLE TAKEN ON 5/30/87. RESULTS INDICATE FLAMMABLE SOLVENTS WITH A FLASH POINT OF 83 DEGREES FAHRENHEIT.
- B. PERSONNEL ON-SCENE: (6/4/87) 1530 HRS.
EPA-2, TAT-1, ERCS-2
- C. WEATHER: RAINY & HUMID, HIGH IN THE MID 70'S.

II. ACTIONS TAKEN:

- A. BASED ON SAMPLE RESULTS AND CLOSE PROXIMITY OF DRUM (4 HOMES WITHIN 100 YARDS AND SMALL CHILDREN), OSC DECIDED TO USE 85OK AUTHORITY TO REMOVE AND DISPOSE OF DRUM. (SEE SPECIAL BULLETIN A).
- B. OSC ACTIVATED ERCS FOR LOCAL RESPONSE. BEB TO MEET OSC ON SCENE AT 1430 HRS.
- C. STATE POLICE (STEWART & TRAISTER), PA DER (PENNELLA), EPA (HESTON & OSTRANDER) AND TAT (MERKL) WERE ON SCENE AT 1430 HRS. TO MONITOR REMOVAL OF DRUM.
- D. BEB ARRIVED WITH 20 FOOT BOX TRUCK AT 1530 HRS. AND THEN OVERPACKED DRUM. OSC EXTREMELY CONCERNED ABOUT POOR RESPONSE TIME. (3 1/2 HRS.)
- E. DUE TO PROBLEMS ENCOUNTERED WITH RESPECT TO FINDING LOCAL TSD THAT IS IN COMPLIANCE AND THAT WILL ACCEPT DRUM, THE OSC HAD TO SEND DRUM TO AMO (PITTSBURGH).
- F. OSC CONTACTS EPA (PHILA.) 1610 HRS. AND OBTAINS EPA ID #. FOR HAZARDOUS -- MANIFEST # PAB 4262532.
- G. OSC ALSO CONCERNED FAILURE TO PROPERLY INSPECT ITS VEHICLE WHICH COULD HAVE RESULTED IN UNNECESSARY DELAYS. ON SITE STATE POLICE CITED THE CONTRACTOR FOR THESE VIOLATIONS.

AR100083

III. FUTURE PLANS:

- A. PER OSC DIRECTION, ERCS TO LOCATE NEAREST DISPOSAL
FACILITY. OSC WILL PROVIDE ANALYTICAL DATA FOR DISPOSAL.

Gerald T. Hester
JERRY HESTON, OSC
U.S. EPA, REGION III
PHILADEPHIA, PA

AR100084

To: ERD/QERR (EPASS511)
To: T.MASSEY (EPA9374)
From: J.HESTON (EPA9345) Delivered: Thu 11-June-87 12:41 EDT Sys 163 (4
Subject: RTE. 563 DRUM SITE - POLREP 3
Mail Id: IPM-163-870611-114160379

POLREP 3

ROUTE 563 DRUM SITE
SALFORD TWP., PA.

ATTN: TOM MASSEY & TIM FIELDS

I. SITUATION: (1100 HRS, 6/11/87)

A. OSC IS CONCERNED ABOUT THE LACK OF AVAILABLE LOCAL TSD FACILITIES THAT ARE IN COMPLIANCE WITH RCRA REQUIREMENTS. IN THE CASE OF THIS SITE (1 DRUM), ERCS CONTACTED 3 TSD FACILITIES ABOUT ACCEPTING THIS DRUM FOR TEMPORARY STORAGE. RTB IN DELAWARE COULD NOT ACCEPT THE DRUM THAT EVENING, AND FURTHERMORE, WOULD NOT ACCEPT IT UNLESS A FINAL DESTINATION WAS IDENTIFIED, DESPITE OSC ASSURANCES THAT THE DRUM WOULD BE MOVED WITHIN THEIR 10-DAY PERMIT LIMITS. DELAWARE CONTAINER WOULD NOT ACCEPT ANYTHING OTHER THAN A BULK LOAD ON AN EMERGENCY BASIS. THE ONLY FACILITY IDENTIFIED THAT WAS IN COMPLIANCE AND WILLING TO ACCEPT THE DRUM WAS AMO IN PITTSBURGH. THIS ENTAILED ADDITIONAL COSTS IN TRANSPORT FROM THE SITE (EST. 12-14 HRS. ROUND TRIP).

II. ACTIONS TAKEN

A. OSC DIRECTED ERCS TO ARRANGE FOR EXPEDITIOUS DISPOSAL FOR THE DRUM CURRENTLY AT AMO.

B. OSC FORWARDED ANALYTICAL DATA TO ERCS FOR DISPOSAL.

III. FUTURE PLANS

A. ERCS TO IDENTIFY DISPOSAL OPTIONS FOR OSC.

B. FURTHER ACTIONS PENDING DISPOSAL OPTIONS.

General T. Heston
JERRY HESTON, OSC
US EPA, REGION III
PHILADELPHIA, PA

AR100085

To: ERD/OERR (EPA5511)
To: T.MASSEY (EPA9374)
From: J.HESTON (EPA9345) Delivered: Thu 6-Aug-87 11:50 EDT Sym 16
Subject: RTE 563 DRUM SITE - POLREP 4
Mail Id: IPM-163-870806-106560515

POLREP 4

RTE 563 DRUM SITE
SALFORD TWP., PA.

ATTN: TOM MASSEY, STEVE JARVELA & TIM FIELDS

I. SITUATION (1200 HRS., 8/4/87)

A. OSC RECEIVED WPR FROM ERCS FOR DISPOSAL OF DRUM CURRENTLY STORED AT AMO. HOWEVER, WPR WAS VERY POORLY PREPARED WITH A NUMBER OF INACCURACIES.

II. ACTIONS TAKEN

A. OSC DIRECTED ERCS TO RE-SUBMIT WPR WITH ALL CORRECTIONS.

III. FUTURE PLANS

A. DISPOSAL OF DRUM PENDING APPROVAL OF DISPOSAL FACILITY AND DISPOSAL STATE.

Gerald Heston
JERRY HESTON, OSC
EPA - REGION III
PHILA., PA.

AR100086

To: ERD/DERR (EPA5511)
To: T.MASSEY (EPA9374)
From: J.HESTON (EPA9345) Delivered: Mon 31-Aug-87 14:15 EDT Sys :
Subject: RTE 563 DRUM SITE - POLREP 5
Mail Id: IPM-163-870831-120390372

ATTN: TOM MASSEY, TIM FIELDS & STEVE JARVELA

RTE 563 DRUM SITE
SALFORD TWP., PA.

POLREP 5

I. SITUATION (1200 HRS., 8/25/87)

A. OSC RECEIVED NEW WPR FROM ERCS, BUT THE SAME INACCURACIES WERE PRESENT AS BEFORE.

II. ACTIONS TAKEN

A. OSC ADVISED ERCS PROGRAM MANAGER (LEPAROTI) OF DISSATISFACTION WITH WPR, AND DIRECTED ERCS TO PROVIDE COMPLETE AND ACCURATE DISPOSAL INFORMATION.

III. FUTURE PLANS

A. DISPOSAL PENDING.

Gerald T. Hester
JERRY HESTON, OSC
EPA - REGION III
PHILA., PA.

AR100087

To: ERD/QERR (EPASS11)
To: RRC (EPA9374)
From: J.HESTON (EPA9345) Delivered: Fri 22-Apr-88 13:50 EDT Sys
Subject: route 563 drum site - polrep 6 and final
Mail Id: IPM-163-880422-125810876

ATTN: STEVE JARVELA & TIM FIELDS

ROUTE 563 DRUM SITE
SALFORD TOWNSHIP, PA.

POLREP 6 AND FINAL

1. SITUATION (1200 HRS., 4/21/88)

- A. OSC RECEIVED CONFIRMATION OF DISPOSAL (MANIFESTS).
- B. ALL SITE ACTIVITIES COMPLETED AS OF 2/8/88.

Gerald T. Heat
JERRY HESTON, OSC
EPA - REGION III
PHILA., PA.

ARI00088

EPA**DELIVERY ORDER FOR EMERGENCY RESPONSE CLEANUP SERVICES**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

(This delivery order is issued subject to all terms and conditions of the contract identified in Block 2.)

1. DATE OF ORDER 6-4-87	2. CONTRACT NUMBER 6B-01-6893	3. ORDER NUMBER 6893-03-123
4. TIME OF INITIAL ORDER (If initial order was verbal) (Specify Time Zone)		5. DELIVERY ORDER CEILING AMOUNT (Obligated Amount) \$5,000.00
6. ACCOUNTING AND APPROPRIATION DATA		
Appropriation Number 1155 EST	Document Control No. 68/20X 8145	Account Number 25.35
7a. ISSUED TO: CONTRACTOR (Name, Address, and ZIP Code)		6a. ISSUED BY: ORDERING OFFICE (Name, Address, and ZIP Code)
O.H. Materials Co. P.O. Box 551 Findlay, OH 45840		EPA - Region 3 (314w25) Gerald T. Hester 841 Chestnut Bldg. Phila., Pa. 19107
7b. PROGRAM MANAGER (Name and Phone Number) John Copus (216) 338-4508		6b. EPA REGION/USCG DISTRICT 3.
7c. RESPONSE MANAGER (Name and Phone Number)		6c. ZONE I
8. RESPONSE LOCATION (Site Name and/or Address and ZIP Code) Rte 563 Drum Site Rte 563 South of Tylersville, PA		9. CONTRACTOR REQUIRED ON SITE (Date and Time) (Specify Time Zone)
		2:30 EST
10. CONTRACTOR REQUIRED ON SITE (Date and Time) (Specify Time Zone)		
11. REQUIRED WORK COMPLETION DATE 6-30-87		

12. STATEMENT OF WORK

The Contractor shall furnish the necessary personnel, materials, services, facilities, and otherwise do all things necessary for or incident to the performance of the work set forth below:

- overpack, pickup, one (1) drum at Rte 563 Drum Site.
- arrange for transport + disposal of one drum from site.
- 2 men, small truck. Level B, 1 overpack.

AR100089

13. ORDERING OFFICER

NAME/TITLE	SIGNATURE	DATE
Gerald T. Hester, OSC	Gerald T. Hester	6/4/87

EPA**DELIVERY ORDER FOR EMERGENCY RESPONSE CLEANUP SERVICES**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

(This delivery order is issued subject to all terms and conditions of the contract identified in Block 2.)

1. DATE OF ORDER 3/30-87	2. CONTRACT NUMBER 68-01-7445	3. ORDER NUMBER 7445-03-030								
4. TIME OF INITIAL ORDER (If initial order was verbal) (Specify Time Zone)		5. DELIVERY ORDER CEILING AMOUNT (Charged Amount) \$5,000.00								
<input type="checkbox"/> AM <input type="checkbox"/> PM		6. ACCOUNTING AND APPROPRIATION DATA								
		<table border="1"> <thead> <tr> <th>Appropriation Number</th> <th>Document Control No.</th> <th>Account Number</th> <th>Object Class</th> </tr> </thead> <tbody> <tr> <td>68/20x8145</td> <td>RV0032</td> <td>81113AS622</td> <td>25.35</td> </tr> </tbody> </table>	Appropriation Number	Document Control No.	Account Number	Object Class	68/20x8145	RV0032	81113AS622	25.35
Appropriation Number	Document Control No.	Account Number	Object Class							
68/20x8145	RV0032	81113AS622	25.35							
7a. ISSUED TO: CONTRACTOR (Name, Address, and ZIP Code) O.H. MATERIAL CO. FINDLAY, OHIO		8a. ISSUED BY: ORDERING OFFICE (Name, Address, and ZIP Code) U.S. EPA EPA CHESTNUT ST. Phila, PA 19107								
7b. PROGRAM MANAGER (Name and Phone Number) Tony Lilly 1-800-537-9540		8b. EPA REGION/USCG DISTRICT III								
7c. RESPONSE MANAGER (Name and Phone Number)		8d. ON-SCENE COORDINATOR (Name and Phone Number) Darald Huston								
9. RESPONSE LOCATION (Site Name and/or Address and ZIP Code) RTE. 563 Drum Site Tylersville, PA		10. CONTRACTOR REQUIRED ON SITE (Date and Time) (Specify Time Zone) Continuation of work								
		<input type="checkbox"/> AM <input type="checkbox"/> PM								
		11. REQUIRED WORK COMPLETION DATE 3/31/88								

12. STATEMENT OF WORK

The Contractor shall furnish the necessary personnel, materials, services, facilities, and otherwise do all things necessary for or incident to the performance of the work set forth below:

1. Continuation of Delivery Order No. 6893-03-128 under contract 68-01-6893.
2. Transport & disposal of one drum to TSD facility.

AR100090

13. ORDERING OFFICER	
NAME/TITLE <i>Stephen French, OSC</i>	SIGNATURE <i>[Signature]</i>
DATE 11/4/87	

(Signature area for use of procurement office only)		Page of					
US Environmental Protection Agency Washington, DC 20460		1. Name of Originator					
GEPA Procurement Request/Order		Jerry Meister					
2. Date of Requisition		6-04-87					
3. Mail Code		4. Telephone Number					
SW22		507-7915					
5. Date Item Required		ASAP					
6. Signature of Originator <i>Jerry Meister</i>		7. Recommended Procurement Method <input type="checkbox"/> Competitive <input type="checkbox"/> Other than full and open competition <input type="checkbox"/> Sole source small purchase					
8. Deliver To (Project Manager) Thomas Meister		9. Address 601 Chestnut St., Philadelphia, PA 19107					
10. Mail Code		11. Telephone Number SW22 215-597-9893					
12. Financial Data 65/20 x 8145		13. Appropriation FMO Use (61/13 digits)					
14. Document Control Number 072274		15. Account Number 707A3HME2					
16. Object Class 25.35		17. Amount (In) \$1,000					
		Dollars Cents					
18. Suggested Source (Name, Address, ZIP Code, Phone/Contact) O. H. Materials, P.O. Box 551 Findlay, OH 45339		19. Amount of money committed to: <input type="checkbox"/> Original <input type="checkbox"/> Increase <input type="checkbox"/> Decrease					
20. For Small Purchases Only: Contracting Office is authorized to exceed the amount shown in Block 12(h) by 10% or \$100, whichever is less. <input type="checkbox"/> Yes <input type="checkbox"/> No							
21. Approvals							
a. Branch/Office <i>Philadelphia, PA</i>	Date <i>7/6/87</i>	b. Property Management Officer/Designee	Date				
c. Division/Office <i>Philadelphia, PA</i>	Date <i>7/6/87</i>	e. Other (Specify)	Date				
c. Persons listed in Block 12 and Block 15 (if any) are available and reserved. (Signature of certifying Officer) <i>Thomas Meister 6/21/87</i>		f. Other (Specify)	Date				
17. Date of Order	18. Order Number	19. Contract Number (If any)	20. Discount Terms				
21. FOB Point	22. Delivery to FOB Point by On or before /Date/	23. Person Taking Order/Quote and Phone No.					
24. Contractor (Name, address, Z/A Code)		25. Type of Order <input type="checkbox"/> Purchase Reference your quote (See block 23)					
		Please furnish the above on the terms specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.					
		26. b. Delivery provisions on the reverse are deleted. The delivery order is subject to the terms and conditions of the contract. (See block 19)					
		27. c. <input type="checkbox"/> Oral <input type="checkbox"/> Written <input type="checkbox"/> Confirming					
28. Schedule							
Item Number (a)	Supplies or Services (b) (1) (b) (2) (3) (4) (5) (6) (7) (8)	Quantity Ordered (c)	Unit (d)	Estimated Unit Price (e)	Unit Price (f) (g)	Amount (h)	Quantity Accepted (i)
SITE NAME: ROUTE 543 DRINK SITE							
SITE ID: 22							
LOCATION: COUNTY: MONTGOMERY							
CITY: TELER'S POKE							
STATE: PA							
DELIVERY ORDER# 6003-03-123							
AR 100091							
Total \$							
27. United States of America <input checked="" type="checkbox"/> GSA APPROVED		28. Typed Name and Title of Contracting Officer					

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Please print or type. (Form designed for use on electric (12-pitch) typewriter.)
H-SWM-81 REV. 10/88 Form Approved. GMB No. 2050-0039 Expires 8-20-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.D. 00000260	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law but is required by State law.
3. Generator's Name and Mailing Address USEPA - Region 2 (PAW-2) 44 Chestnut St. Philadelphia, PA 19107				A. State Manifest Document Number PAB 4262532	
4. Generator's Phone # 215-577-9355				B. State Gen. ID	
5. Transporter 1 Company Name DEI ENVIRONMENTAL SPECIALISTS (P.A.1) 0-9-2-3-2-7-4-5		6. US EPA ID Number		C. State Trans. ID PA-AH 0273	
7. Transporter 2 Company Name AMO INDUSTRIAL SERVICES AD 2 P.O. 3115		8. US EPA ID Number		D. Transporter's Phone # 717-5310	
9. Designated Facility Name and Address AMO INDUSTRIAL SERVICES AD 2 P.O. 3115		10. US EPA ID Number P.A.D. 0038962320		E. State Trans. ID PA-AH	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) HAZT Flammable Liquid, N.O.S. Flammable liquid - 3592 UN 1993		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
		1 D.M.	3.0 est	G D.0.1	
16. State Manifest Number (if applicable) PAW-2					
17. Additional Descriptions for Materials Listed Above (check all that apply) Haz. Code Physical State <input checked="" type="checkbox"/> H Solid <input checked="" type="checkbox"/> L Liquid <input checked="" type="checkbox"/> G Gas <input checked="" type="checkbox"/> A Acid <input checked="" type="checkbox"/> B Base <input checked="" type="checkbox"/> C Corrosive <input checked="" type="checkbox"/> D Flammable <input checked="" type="checkbox"/> F Oxidizer <input checked="" type="checkbox"/> O Organic Peroxide <input checked="" type="checkbox"/> N Non-flammable <input checked="" type="checkbox"/> S Self-reactive <input checked="" type="checkbox"/> T Toxic <input checked="" type="checkbox"/> R Corrosive to Metal <input checked="" type="checkbox"/> U Irritant <input checked="" type="checkbox"/> V Harmful to the Environment		K. Handling Codes for Wastes Listed Above			
		<input checked="" type="checkbox"/> a. Do not mix with incompatible materials <input checked="" type="checkbox"/> b. Do not expose to heat <input checked="" type="checkbox"/> c. Do not expose to moisture <input checked="" type="checkbox"/> d. Do not expose to sunlight			
18. Special Handling Instructions and Additional Information None					
19. Generator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
20. Transporter's Acknowledgment of Receipt of Materials Printed/Typed Name Mark McNamee		Signature Mark McNamee		Month Day Year 16 17 87	PAB 4262532
21. Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Sandra Smith		Signature Sandra Smith		Month Day Year 16 17 87	
22. Discrepancy Indication Request 1000092					
23. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 18.					
Printed/Typed Name Sandra Smith		Signature Sandra Smith		Month Day Year 16 17 87	

Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Please print or type. (Form designed for use on site (12-pitch) typewriter.)
Form Approved OMB No. 2050-0028 Expires 9-30-88

* PAB 5028236 *

ER-SWM-51 REV. 10/88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA003891600230100012	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law but is required by State law.
3. Generator's Name and Mailing Address <i>Amc Pollution Services Inc. R.D.# 1 BOX 3113 Canonsburg PA 15317</i>		A. State Manifest Document Number PAB 5028236			
4. Generator's Phone <i>Chem Freight</i>		B. State Gen. ID <i>Same</i>			
5. Transporter 1 Company Name <i>Waste Conversion Inc.</i>		6. US EPA ID Number PA008510910592	7. US EPA ID Number PA008510910592	C. State Trans. ID <i>PA-AH 10-0741</i>	
8. Designated Facility Name and Site Address <i>20609 Sandstone Dr. Troyfield, Pa 19440</i>		9. US EPA ID Number PA008510910592	10. US EPA ID Number PA008510910592	D. Transporter's Phone <i>316-347-2500</i>	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) <i>Hazard Flammable-Liquid, n.o.s. RQ Flammable Liquid UN1993</i>		12. Containers No. 10M	13. Total Quantity 500.	14. Unit Wt/Vol P	15. Waste No. F003 F005 D001
16. Special Handling Instructions and Additional Information <i>KC 8055-EL 2596</i>					
17. Generator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above. Its proper shipping name and are classified packed material and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. I am a small quantity generator and certify that I have a program in place to reduce the volume and toxicity of wastes generated in the course of business to the maximum practicable and that I have selected the practicable method of treatment, storage or disposal currently available to which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management methods available to me and that I can affix		K. Handling Codes for Wastes Listed Above S01			
18. Transporter 1 Acknowledgment of Receipt of Materials <i>STANLEY SMITH</i>		Signature <i>Stanley Smith</i> Month Day Year 12/20/88			
19. Transporter 2 Acknowledgment of Receipt of Materials <i>THOMAS LARKESE</i>		Signature <i>Thomas Larke</i> Month Day Year 02/09/88			
20. Facility Owner or Operator: Confirmation of receipt of hazardous materials covered by this manifest except as noted in Item 19. <i>PERIODIC ANALYSIS UNIT DIVISION OF DISPOSAL SERVICES</i>		Signature <i>Brian M. Enrig</i> Month Day Year 02/09/88			
Printed/Typed Name BRIAN M. ENRIC					

Bureau of Waste Management

P. O. Box 2063

Harrisburg, PA 17120

Form approved
OMB No. 2910-0270
Expires 6-30-90

ER-SWM-51;REV. 6/87

Please print or type. (Form designed for use on an elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P-A-D-0-8-5-6-9-0-3-9-2	2. Manifest No. 10000000000000000000000000000000	3. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.
3. Generator's Name and Mailing Address WASTE CONVERSION INC. 2669 SANDSTONE DRIVE, HATFIELD, PA 19440		A. State Manifest Document Number PAB 4769833		
4. Generator's Phone 215 822-8996		B. State Gen./ID SAME		
5. Transporter 1 Company Name Mecola Enterprises Inc		6. US EPA ID Number N.J.D.9.B.Q.649859	C. State Trans. ID PA-AH 0069	
7. Transporter 2 Company Name		8. US EPA ID Number	D. Transporter's Phone 204 929 3500	
9. Designated Facility Name and Site Address ECOLOTAC INCORP. 636 N. IAHM ZEEB STREET DAYTON, OHIO 45403		10. US EPA ID Number P-N-D-9-8-0-7-0-0-9-4-2	E. State Trans. ID PA-AH	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. RQ Waste Flammable Liquid n.o.s Flammable Liquid UN1993		DOO1 P003 P005	0.01 D.M 00300	F 005 F 003 P 0001
b. RQ Waste Flammable Liquid n.o.s Flammable Liquid UN1993		DOO1 2005	0.01 D.M 00055	F 005 D 001
c. RQ Waste Methyl Ethyl Ketone Flammable Liquid UN1993		P005	0.06 D.M 00016	G F 005
d. NB Waste 1,1,1-Trichloroethane ORM-A UN2831		P001	0.02 D.M 00110	G F 001
J. Additional Descriptions for Materials Listed Above (Indicate physical state and hazard code) Haz. Code Physical State		K. Handling Codes for Wastes Listed Above Haz. Code Physical State		
<input checked="" type="checkbox"/> [] oil & Solvents		[] Methyl Ethyl		
<input checked="" type="checkbox"/> [] Toluene		[] Ketone		
<input checked="" type="checkbox"/> [] Pyridine & Oil		[] Trichloroethane		
15. Special Instructions and Additional Information a. PAB4768621-0-6 b. PAB4768621-0-1 c. PAB4768621-0-6 d. PAB4768621-0-2		501 501		
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		Signature Anthony Grossi Month Day Year 11/10/93		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name George Gavring Jr		Signature George Gavring Jr Month Day Year 11/10/93		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		
19. Emergency Indication Space				
20. Facility Owner or Operator: Certification of receipt of hazardous materials c		Item 19.		
Printed/Typed Name Stephen Kelly		Signature Stephen Kelly Month Day Year 11/10/93		

EPA Form 8700-22 (Rev. 6-86) Previous editions are obsolete

CONTRACT #: OH-01-7445

Page 2 of 2

SITE NAME/LOCATION	ID	DCN #	ACCT #	D.O. #	AMOUNT
Precious Metals Raleigh County Beckley, West Virginia	Q4	RV0025	8TFA3ASEQ4	7445-03-023	\$5,000.00
North Road Landfill (WV)	Q6	RV0026	8TFA3ASEQ6	7445-03-024	\$10,000.00
Monroe County Jackson Twp., PA					
Oakland Junkyard Garrett County Oakland, Maryland	S1	RV0027	8TFA3ASES1	7445-03-025	\$5,000.00
Deardorf Drive York County Etters, PA	T8	RV0028	8TFA3ASET8	7445-03-026	\$5,000.00
Wacha Landfill Westmoreland County West Newton, PA	X2	RV0029	8TFA3ASEX2	7445-03-027	\$10,000.00
Solly Road Phila. County Phila., PA	X9	RV0030	8TFA3ASEX9	7445-03-028	\$5,000.00
Sasscer Electric Fayette County Mt. Hope, West Virginia	Y8	RV0031	8TFA3ASEY8	7445-03-029	\$5,000.00
Route 562 Montgomery County Tylersport, PA	Z2	RV0032	8TFA3ASEZ2	7445-03-030	\$5,000.00
Ridgeview PCB Boone County Ridgeview, West Virginia	Z7	RV0033	8TFA3ASEZ7	7445-03-031	\$5,000.00
Keystone Drive Boone County Kanawha, West Virginia	Z9	RV0034	8TFA3ASEZ9	7445-03-032	\$5,000.00
Petersburg Flood Grant County Petersburg, West Virginia	QS	RV0035	8TFA3ASEQS	7445-03-033	\$5,000.00
				TOTAL	\$65,000.00

AR100095

WC

Waste Conversion

2869 Sandstone Drive / Hatfield, Pennsylvania 19440 / 215-822-8996

EPA I.D. #PADD059592

CERTIFICATE OF WASTE DISPOSAL NUMBER 88-110

THIS IS TO CERTIFY THAT WASTE MATERIAL RECEIVED FROM
Generator AMO Pollution Services, Inc.

E.P.A. ID # PADD059596230
Address H.D. #2, Box 311E, Canonsburg, PA 15317

AS REFERENCED ON MANIFEST NUMBER FAB 508236
HAS BEEN DISPOSED OF IN ACCORDANCE WITH ALL
APPLICABLE LOCAL, STATE, AND FEDERAL
REGULATIONS IN THE FOLLOWING MANNER

Lab Code/Clin # XC8955-EC2596
RCRA Waste Flammable Liquid n.o.s./DD01

Treatment/Disposal Method
F003
F003
S01, D85 (Ecolater, Inc. - PAR6769833-a)

Mark R. Deak Document Control Supv. 4/5/88
W.C.I. Representative Title Date

REGION III INCIDENT NOTIFICATION REPORT

1. Case No.:

2. Reported: (mm/dd/yy) <u>5/29/87</u>		3. Time: <u>2:45</u>		Recorded By: <u>Donne - Heath</u>				
4. <input type="checkbox"/> Through NRC:		5. NRC Case No.:						
6. Reported By: <u>Cpl. Lutz</u>								
7. Organization Name: <u>Pa. State Police</u>								
8. Organization: <input type="checkbox"/> A. discharger <input type="checkbox"/> B. public <input checked="" type="checkbox"/> C. state <input type="checkbox"/> D. local <input type="checkbox"/> E. federal								
14. Address:		15. City: <u>Limerick</u>		16. County: <u>Montgomery</u>		17. State: <u>PA</u>		
18. Zip:		19. Phone: <u>(215) 631-5933</u>						
20. <input type="checkbox"/> As Above in A if 9 applies		21. Name: <u>UN/known</u>						
22. Address:		23. City:		24. County:		25. State:		
26. Zip:		27. Phone: ()						
28. <input type="checkbox"/> As Above in B		29. Street or Approx. Location: <u>Rte 563 s; near Tylertown</u>						
30. City:		31. County: <u>Montgomery</u>		32. State: <u>PA</u>			34. Spill Time: <u>Unknown</u>	
33. Spill Date: (mm/dd/yy) <u>UN/known</u>								
Material: <input checked="" type="checkbox"/> A hazardous substance <input type="checkbox"/> B material unknown		35. Material Unknown	UNV DOT No	CAS No.	CHAMS Code	Quantity Spilled	Units (Circle 1)	
36. Flammable liquid - 1chum		37.	38.	39.	40.		41. gal. 42. gal.	
42.		43.	44.	45.	46.		47. Ddt. 48. Ddt.	
48.		49.	50.	51.	52.		49. Ddt. 50. Ddt.	
Source of Spill: <input type="checkbox"/> 54. highway <input type="checkbox"/> 55. air transport <input type="checkbox"/> 56. railway <input type="checkbox"/> 57. vessel <input type="checkbox"/> 58. fixed facility <input type="checkbox"/> 59. pipeline		<input type="checkbox"/> 60. offshore Federal facility		61. Vehicle ID or Carrier No. <u>TD Unknown</u>				
62. Description: <u>State Police found 1 known abandoned by side of road.</u>								
Medium Affected: <input type="checkbox"/> 63. air <input type="checkbox"/> 64. land <input type="checkbox"/> 65. water drinking water		<input type="checkbox"/> 66. groundwater		<input type="checkbox"/> 67. within facility only none				
68. Waterway Affected								
Reported Cause: <input type="checkbox"/> 69. transportation accident <input type="checkbox"/> 70. equipment failure		<input type="checkbox"/> 71. operational error <input type="checkbox"/> 72. natural phenomenon		<input checked="" type="checkbox"/> 73. dumping <input type="checkbox"/> 74. unknown			75. other	
76. Description:								
I. J. K. L. M.		Damages: 77. no. of injuries _____ 78. no. of deaths _____		79. property damage > \$50,000				
D. ACT. COM. NOT. FIED		80. <input type="checkbox"/> Evacuation 81. Response Action Taken: <u>TATS applied</u>						
H. G. F. E. D. A.		82. Caller Has Notified: <input checked="" type="checkbox"/> State/local <input type="checkbox"/> Discharger <input type="checkbox"/> USCG <input type="checkbox"/> Other <input type="checkbox"/> Unknown						
I. J. K. L. M.		Agency Name: <u>PA State Police</u>						
D. ACT. COM. NOT. FIED		87. Comments: <u>TATS collected sample results showed flammable mate - UCC activated 6/4/87</u>						
H. G. F. E. D. A.		Additional Information						
I. J. K. L. M.		Responsibility: <input checked="" type="checkbox"/> EPA <input type="checkbox"/> USCG <input checked="" type="checkbox"/> Non-duty hours				CWA 311 Spill Alert		
D. ACT. COM. NOT. FIED		Response by: <input type="checkbox"/> responsible party <input type="checkbox"/> State <input type="checkbox"/> Local <input checked="" type="checkbox"/> OSC <input type="checkbox"/> Other <input type="checkbox"/> USCG						
H. G. F. E. D. A.		Agency Name: <u>PA State Police</u>						
I. J. K. L. M.		NOSC: Name <u>Heath</u> <input type="checkbox"/> 31				<input checked="" type="checkbox"/> CERCLA Activation		
D. ACT. COM. NOT. FIED		EPA: _____						
H. G. F. E. D. A.		NOTIFICATION: Name, date, & time; <u>DER-Bellator</u>		EPA: _____				
I. J. K. L. M.		OSC notified: _____				Referral: _____		
D. ACT. COM. NOT. FIED								

AR100097